



# **Southwest Fox 2012** **Southwest Xbase++ 2012**

October 18 – 21, 2012  
SanTan Elegante Conference & Reception Center  
Gilbert, AZ

## **Conference Guide**

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# Welcome to Southwest Fox and Southwest Xbase++ 2012!

The ninth annual Southwest Fox conference is the only Visual FoxPro conference in North America. New this year is Southwest Xbase++, the only North American conference for Xbase++, from Alaska Software. Attendees may attend sessions of both conferences for the price of one! The two conferences are held in the same conference center and share meals and exhibitor space.

Although we've worked hard to put this conference together, it wouldn't have happened without the efforts of quite a few others. First, our thanks to our speakers, without whom there would be no conference. We've been giving presentations for many years, so we know what's involved in preparing a high-quality conference session. Our thanks to Menachem Bazian, Steve Bodnar, Rick Borup, Kevin Cully, Roger Donnay, Jim Graham, Frank Grossheinrich, Andreas Herdt, Clayton Jones, Cathy Knight, Kevin McNeish, Rod Paddock, Steffen Pirsig, Eric Selje, Rick Strahl, Tuvia Vinitsky, Till Warweg, and Christof Wollenhaupt, who made the time to prepare materials and be here, despite busy work and family schedules. Thanks also to our keynote speaker, Jennifer Marsman of Microsoft Corp.

Our sponsors help keep conference costs down by providing funds and goodies for us to give away. Our exhibitors took the time to come to the conferences to show you the latest tools to help you get the most out of your development efforts. Special thanks to the folks at Matrix Imaging, who donated the time and materials to create the conference CDs.

Rick's wife Therese and Tamar's husband Marshal dropped their usual responsibilities to come along and serve as staff, taking on whatever odds and ends needed to be done and errands needed running. Dave Aring of Visionpace created our logos and updated his popular Kokopelli application to help you choose what sessions to attend. Finally, Frank Perez Sr., who lives in the area, accepted shipments for us, saving us time and shipping charges.

We hope Southwest Fox and Southwest Xbase++ are everything you were expecting and more. Please be sure to fill out the conference evaluation to let us know how we did, and what we can improve. If there's a problem we can fix right away, please let us or one of our staff know.

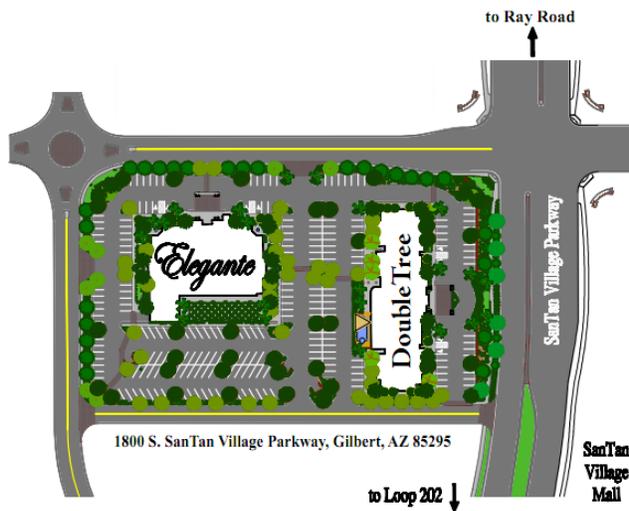
Three handwritten signatures in black ink. The first signature is 'Rick', the second is 'Doug', and the third is 'Tamar'.

# Conference Information

In this guide, you should find everything you need to get the most from the conference. But don't hesitate to ask us or a staff member (look for the red Geek Gatherings shirts) if there's anything you need.

## Conference Center

Southwest Fox and Southwest Xbase++ are held at the SanTan Elegante Conference & Reception Center (next to the DoubleTree by Hilton, formerly known as the Legado Hotel), 1800 S. San Tan Village Parkway, Gilbert, Arizona, 85296, 888-695-3423, 480-809-4100, <http://www.doubletreephoenixgilbert.com>. Maps of the complex and the conference center are shown below.



## Registration and Information

Registration is at the Geek Gatherings table in the Desert Rose room, Thursday from 8:00 a.m. to 4:00 p.m. in the Arizona room and Friday and Saturday from 7:45 a.m. to 5:00 p.m. This is also where you can find conference staff for information.

## Badges

Be sure to wear your name badge to all conference sessions, meals, and breaks. Your badge is color-coded, indicating what you're eligible for. For example, only those attending two pre-conference sessions get lunch on Thursday.

Watch for the "New to Southwest Fox" image on badges. This is for people who haven't attended Southwest Fox before; in some cases, this is their first VFP conference of any kind. Since this is the first year for Southwest Xbase++, all of those attendees are new. Please take some extra time to introduce yourself and make all our new attendees feel welcome.

## Sessions

Pre-conference and post-conference Southwest Fox sessions are held in Flagstaff and Gilbert. Pre-conference Southwest Xbase++ sessions are held in Elliott. Regular Southwest Fox sessions are in Elliott, Flagstaff, and Gilbert. Regular Southwest Xbase++ sessions are in Arizona and Bisbee. Exhibitor sessions are in Carefree.

## Trade Show and Exhibitor Track

The trade show is held in Desert Rose, the same room where meals and refreshments are served. Trade show hours are 8:30 p.m. to 9:30 p.m. Thursday night following the keynote presentation (a cash bar reception), 9:00 a.m. to 5:30 p.m. Friday and Saturday, and 9:00 a.m. to 12:00 p.m. Sunday. Be sure to spend time talking to the exhibitors and learn how their products and services can enhance your development efforts and your business.

To learn more about the products being offered by the exhibitors, be sure to attend the sessions in the exhibitor track. They're held in the Carefree room at the same times as other conference sessions.

## Keynote Presentation and Trade Show Reception

The conference keynote will be presented on Thursday at 7:00 p.m. in a combined Elliott/Flagstaff/Gilbert room. It will include a welcome to the conference by the organizers followed by the keynote presentation by Jennifer Marsman of Microsoft Corp., presenting "Industry Trends in Windows 8." We'll also be announcing the recipients of the 2012 FoxPro Lifetime Achievement Award (<http://tinyurl.com/ygnk73h>) and the 2012 VFPX Administrators Award (<http://tinyurl.com/8hem9wf>), so be sure to attend.

A cash bar reception immediately follows in Desert Rose as part of the trade show.

## Free Wireless Internet Access

Free wireless Internet access is provided throughout the conference area. Please share nicely with other people accessing the Internet. For example, streaming video or music would not be very cool.

## Evaluations

Evaluations are very important to the success of the conference. They help us plan for next year's conference by letting us know what we did right and what we could do better. They help speakers improve and fine-tune their sessions.

You will be given a conference evaluation form at conference registration. Please take the time to thoughtfully fill it out. After you've completed it, hand it in at the White Light Computing table in the trade show area before the closing session. As an incentive, we're doing a drawing at the closing session: those who submit evaluations are eligible for a **free registration to a future Geek Gatherings event** at the closing session. If you cannot be present at the closing session, write your name on the ticket you are given when you hand in your evaluation form, since conference evaluations are anonymous.

Sessions evaluations are done online. When you check in, you are given a user ID and password. Navigate your browser to <https://geekgatherings.com/Evaluation>, login, and fill out evaluations for each session. As an incentive, we're doing a drawing at the closing session: those who submit evaluations are eligible for a **Visual Studio 2012 with MSDN Subscription**, worth \$799, at the closing session. You must be present to win.

## Closing Session

The closing session formally ends the conference. It begins Sunday at 1:00 p.m. in a combined Elliott/Flagstaff/Gilbert room. Be sure to hand in your completed evaluation forms before the closing session to be eligible for the drawings.

## Giveaway Drawings

Drawings for door prizes will occur during lunch breaks Friday and Saturday, at the dinner party Friday night, and at the closing session on Sunday. We have lots of software and other prizes to give away. For drawings on Friday and Saturday, you must claim your prize before the closing session. For drawings at the closing session, you have to be present to win, so be sure to attend that session.

## Meals and Breaks

Breakfast is provided Friday, Saturday, and Sunday mornings. Lunch is provided on Thursday only for those attending two pre-conference sessions. Lunch is provided on Friday and Saturday for all attendees. All meals are served in Desert Rose. Refreshment breaks are provided Friday and Saturday afternoon from 4:45 to 5:15 in Desert Rose.

## Dinner Party

The conference dinner party is Friday night, from 7:00 p.m. to 8:30 p.m., in Desert Rose. It's a great opportunity to relax after a long day of learning and meeting and chatting with fellow developers and speakers.

If you want to bring a guest to the Dinner Party, tickets are \$50 (which just covers our cost), available at the registration table.

## Airport Transportation

If you want to share a ride with someone back to the airport, sign up on the airport ride sheet on the bulletin board.

## Conference CD

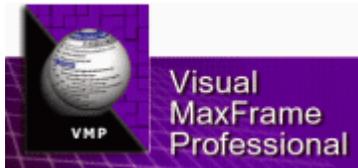
The conference CD, provided at conference registration, contains white papers and sample code (if provided) for every Southwest Fox session and some Southwest Xbase++ sessions. Updates for session materials will be available online at <ftp://www.swfox.net>; you will be provided a user name and password by email.

## Bulletin Board

A bulletin board is available to post job openings, notices, meeting messages, etc. Also, if you want to share a ride back to the airport, sign up on the airport ride sheet on the bulletin board.

## Bonus Sessions

Two bonus sessions are provided Friday evening at 8:30 p.m.



Visionpace, developers of Visual MaxFrame, is hosting a VMP Developers Meeting. This meeting is open to all developers using VMP. Developers not using VMP are also welcome.

### Bonus Session!

“Show Us Your Apps” is an opportunity to show the crowd what cool things other developers have done. Presenting this year are Nestor G. Torres, Randy Godfrey, Matt Olson, Jim Nelson, and Tom Craven.

### Bonus Session!

Steffen Pirsig talks about the vision Alaska Software has for the Xbase++ development platform in “Late-Night: Xbase++ Long-term Vision.”

## Kokopelli Scheduling Application

Kokopelli (the name of the figure with the flute in our logo) is a scheduling application created by Dave Aring of Visionpace. It automates the selection of the sessions you want to see and even creates a handy printed schedule that fits in your conference badge. You can download Kokopelli from <http://www.swfox.net/kokopelli.aspx>.

## Mobile Phones, Pagers, and Laptops

To avoid interruptions for speakers and other attendees, please set your mobile phones and pagers to silent or vibrate mode during sessions. If you do need to take a call during a session, please leave the session room. Also, please mute your laptop if you plan on using it during sessions.

## Photography, Video, and Audio Recording

You are welcome to take photos of sessions (please ask the speaker’s permission first) but audio and video recordings are prohibited.

## Polo Shirts

If you ordered a conference polo shirt before the conference, it is included in the conference bag you pick up at registration.

## Meet ‘n’ Greet

Veteran conference attendees will tell you that one of the major benefits of attending a conference is the opportunity to meet and get to know other developers. While the Internet has certainly made the world a much smaller place, there’s nothing like chatting with someone face-to-face between sessions or over a beverage. The people you meet this year may be next year’s co-workers, employers, employees, clients or trusted resources. Make it your goal to meet at least one new person at this conference.

If you're a first-time attendee, don't feel intimidated because some attendees know each other well. Join a conversation! That applies to speakers, too; we have no unapproachable rock stars in our community, only really nice people. Feel free to engage any speaker in a conversation on any topic, not just programming. See the Tips for Attendees page (<http://www.swfox.net/tips.aspx>) on the conference Web site for more ideas.

This year, there's a new opportunity to meet other developers, as the VFP and Xbase++ communities mingle for the first time.

## Assistance

If you have any questions or problems, please see one of the conference staff: Rick Schummer, Therese Schummer, Doug Hennig, Tamar Granor, and Marshal Granor. We'll be wearing red Geek Gatherings shirts (except when Rick, Doug, and Tamar are wearing their speaker shirts).

## Ceil Silver Ambassador Fund

Many VFP developers around the world provide incredible contributions to the VFP community, such as working on VFPX projects, blogging about ways to do cool things in VFP, or providing exemplary support in various VFP forums. However, for most of them, attending a conference such as Southwest Fox isn't feasible.

The Ceil Silver Ambassador Fund raises money from the VFP community to bring a developer to the Southwest Fox conference as an ambassador for the developers in his or her country. This gives the recipient the opportunity to meet and share experiences with developers attending Southwest Fox and gives other attendees the opportunity to learn about VFP development in the recipient's country.

The Fund is named in memory of Ceil Silver, a long-time member of the Visual FoxPro community, who passed away in January, 2009. Ceil served as Editor of FoxPro Advisor's Tips and Tricks column for many years and was the founder of the Westchester County FoxPro chapter of PADD, the Professional Association of Database Developers. She was also a contributing author to "Special Edition Using Visual FoxPro 6." Ceil understood the value of attending professional conferences, and continued to attend them until her failing health prevented it.

Geek Gatherings is pleased to announce that the 2012 Ceil Silver Ambassador is Jun Tangunan.



Jun is the IT Manager of Shorncliffe (PNG) Ltd., a sister company of Papindo Group of Companies in Papua New Guinea. He graduated with a BSc in Accounting and has worked as a System Analyst at a bank in the Philippines. In addition to software development, he is experienced in hardware and software troubleshooting. In 2008 he found [Foxite](#) by accident and started participating in the forum. Since then, he has become a consistent ranking member for five consecutive years. He has extending his assistance outside the forum by blogging at <http://sandstorm36.blogspot.com> and <http://weblogs.foxite.com/sandstorm36>. He is also the author of the ssClasses library, which includes classes such as ssExcelPivot, which creates Microsoft Excel PivotTables, ssPolyClock, a 100% VFP clock widget, and ssDropCalc, a dropdown calculator class. "I love to share. Plus everything I know now just comes from various individuals, both from experts and newbies alike. So it is just fair to give those back to them."

Due to a shortfall in the budget this year, we will accept donations for the Ambassador program.

## Local Restaurants

There are lots of restaurants within walking distance of the hotel. Here are restaurants located at the SanTan Village, just down the street from the hotel. Note that descriptions were provided by the restaurants, and are not our opinions.

Restaurant Name	Phone Number	Location	Description
<b>Auntie Anne's</b>	480-722-9960	Shopping Center	Delicious pretzel products, dips, and drinks. <a href="http://www.auntieannes.com/home.aspx">www.auntieannes.com/home.aspx</a>
<b>Blue Burrito Grille</b>	480-855-4200	Shopping Center	The freshest, healthiest, and most delicious Mexican fare available. <a href="http://www.blueburrito.com">www.blueburrito.com</a>
<b>Blue Wasabi Sushi &amp; Martini Bar</b>	480-722-9250	Shopping Center	Intimate, stylish sushi and martini bar that merges modern sushi and fabulous cocktails into a hip, contemporary environment. <a href="http://www.bluewasabi.net">www.bluewasabi.net</a>
<b>Brio Tuscan Grille</b>	480-917-9177	Shopping Center	The food at Brio is simply prepared using the finest and freshest ingredients, with an emphasis on high-quality steaks, house-made pasta specialties and flatbreads prepared in an authentic Italian wood-burning oven. <a href="http://www.brioitalian.com">www.brioitalian.com</a>
<b>Cantina Laredo</b>	480-782-6777	Shopping Center	Authentic Mexican dishes in a sophisticated atmosphere. <a href="http://www.cantinalaredo.com">www.cantinalaredo.com</a>
<b>Carrabba's Italian Grill</b>	480-726-7455	Urban Village	Specializing in fine Italian cuisine. <a href="http://www.carrabbas.com">www.carrabbas.com</a>
<b>Chick-fil-a</b>	480-814-7200	Urban Village	Serving our famous 100% chicken breast sandwiches, strips, and nuggets. <a href="http://www.chick-fil-a.com">www.chick-fil-a.com</a>
<b>Dairy Queen/Orange Julius</b>	480-821-1160	Shopping Center	The best of both worlds - frozen treats from DQ and blended fruit drinks. <a href="http://www.orangejulius.com">www.orangejulius.com</a>
<b>Famous Dave's Barbeque</b>	480-722-2781	Shopping Center	Award-winning, mouth-watering barbeque awaits at Famous Dave's Legendary Pit-smoked BBQ rib joint. <a href="http://www.famousdaves.com">www.famousdaves.com</a>
<b>Gelato Dolce Vita</b>	480-855-0885	Urban Village	All homemade gelato. <a href="http://www.gelatodocevita.com">www.gelatodocevita.com</a>
<b>Gordon Biersch Brewery Restaurant</b>	480-722-0883	Shopping Center	Offering traditional American cuisine with an international influence and hand crafted German lagers. <a href="http://www.gordonbiersch.com">www.gordonbiersch.com</a>
<b>Grimaldi's Brick Oven Pizzeria</b>	480-814-7722	Shopping Center	<a href="http://www.grimaldispizza.com">www.grimaldispizza.com</a>
<b>Hot Dog on a Stick</b>	480-855-5989	Shopping Center	Great, all-American food including hot dogs, fries, cheese sticks, and lemonade. <a href="http://www.hotdogonastick.com">www.hotdogonastick.com</a>
<b>In-N-Out Burger</b>	800-786-1000	Urban Village	Old-Fashioned burgers and fries. <a href="http://www.in-n-out.com">www.in-n-out.com</a>
<b>Johnny Rockets</b>	480-722-1848	Shopping Center	Great-tasting food from a menu of all-American favorites including juicy hamburgers, hand-dipped shakes and malts and freshly-baked apple pie. <a href="http://www.johnnyrockets.com">www.johnnyrockets.com</a>
<b>Kona Grill</b>	480-289-4500	Shopping Center	Pacific Rim cuisine with zestful Hawaiian accents and award-winning sushi. <a href="http://www.konagrill.com">www.konagrill.com</a>

Restaurant Name	Phone Number	Location	Description
<b>Leonidas Chocolate &amp; Café</b>	480-899-0281	Shopping Center	World-renowned chocolate maker, selling over 100 different kinds of Belgian chocolate. <a href="http://www.leonidasaz.com">www.leonidasaz.com</a>
<b>Los Siete Compadres</b>	480-899-0281	Urban Village	
<b>Maui Wowi Coffees &amp; Smoothies</b>	480-899-5662	Shopping Center	Hawaiian Coffees & Smoothies <a href="http://www.maiuwowi.com">www.maiuwowi.com</a>
<b>NYPD Pizza</b>	480-782-6973	Urban Village	<a href="http://www.aznypdpizza.com">www.aznypdpizza.com</a>
<b>OPA! Souvlaki</b>	480-855-6722	Shopping Center	Quality to-go Greek cuisine! <a href="http://www.opasouvlaki.ca">www.opasouvlaki.ca</a>
<b>Outback Steakhouse</b>	480-782-7504	Urban Village	Casual dining restaurant specializing in steaks, chicken, ribs, seafood and pasta dishes in an Australian Outback - inspired environment. <a href="http://www.OutbackSteakhouse.com">www.OutbackSteakhouse.com</a>
<b>Panda Express</b>	480-821-0023 480-857-2091	Shopping Center Urban Village	Traditional Chinese dishes while offering new taste creations. <a href="http://www.PandaExpress.com">www.PandaExpress.com</a>
<b>Paradise Bakery &amp; Café</b>	480-889-7080	Shopping Center	A bakery and café featuring an assortment of baked goods, soups, salads and sandwiches. <a href="http://www.ParadiseBakery.com">www.ParadiseBakery.com</a>
<b>Quiznos</b>	480-782-0112	Urban Village	Toasted sub sandwiches. <a href="http://www.quiznos.com">www.quiznos.com</a>
<b>Red Robin</b>	480-899-4338	Shopping Center	Mouthwatering gourmet burgers. <a href="http://www.RedRobin.com">www.RedRobin.com</a>
<b>Sbarro</b>	480-821-2569	Shopping Center	Delicious and tasty Italian style food. <a href="http://www.Sbarro.com">www.Sbarro.com</a>
<b>The Keg Steakhouse &amp; Bar</b>	480-821-1500	Shopping Center	Great Keg steaks, a casual atmosphere, and friendly, knowledgeable service. <a href="http://www.kegsteakhouse.com">www.kegsteakhouse.com</a>
<b>Waldo's BBQ</b>	480-899-7427	Urban Village	Waldo's BBQ brings a slew of menu items, from Buffalo Back Ribs to Cheesecake. <a href="http://www.waldosbbq.com">www.waldosbbq.com</a>
<b>Wendy's</b>	480-814-1688	Urban Village	Fast food serving hot and juicy hamburgers, salads, chili, fries, and more. <a href="http://www.wendys.com">www.wendys.com</a>
<b>Wetzel's Pretzels</b>	480-821-0862	Shopping Center	Soft Chewy Pretzels that come in a variety of flavors. <a href="http://www.wetzels.com">www.wetzels.com</a>

Here are restaurants a little further away but still in the area:

Restaurant Name	Location	Phone Number	Information
<b>Big Ray's Fresh Deli</b>	250 S. Arizona Ave., Chandler	480.814.9675	A deli with food like it's served back East; everything from corned beef to potato salad.
<b>Brunchie's</b>	17 E. Boston St., Chandler	480.899.5036	<a href="http://www.serranosaz.com">www.serranosaz.com</a> Mexican breakfasts and lunches.

Restaurant Name	Location	Phone Number	Information
<b>Casanova Bros. Pizza &amp; Pasta</b>	929 N. Val Vista Dr. #101, Gilbert Est. 6 min drive	480.539.6200	<a href="http://www.casanovabrospizza.com">www.casanovabrospizza.com</a> Pizza and pasta prepared HOMEMADE FRESH IN HOUSE!
<b>El Zocalo Mexican Grille</b>	28 S. San Marcos Pl., Chandler	480.722.0303	<a href="http://www.elzocalo.com">www.elzocalo.com</a> Excellent Mexican food and live music on weekends.
<b>Farmhouse</b>	228 N. Gilbert Road, Gilbert Est. 14 min drive	480.926.0676 Price Range: \$9-\$15	Serves tasty breakfast and lunch goodies. Also offers dinner from 5-8 p.m. Fridays, when you can order meatloaf, ham steak, and chicken and biscuits.
<b>Fat Cat</b>	98 S. San Marcos Pl., Chandler	480.452.6020	<a href="http://www.fatcataz.com">www.fatcataz.com</a> Elegant cuisine in a relaxed, comfortable atmosphere, Fat Cat serves New American food.
<b>Flancer's Café</b>	610 N. Gilbert Road, Gilbert Est. 14 min drive	480.926.9077 Price Range: Under \$10	<a href="http://www.flancers.com">www.flancers.com</a> Homemade bread, top-notch ingredients and low prices make this place a great fast-food alternative.
<b>Guedo's Taco Shop</b>	71 E. Chandler Blvd., Chandler	480.899.7841	No mere "taco shop," Guedo's offers plentiful portions of Mexican food in a friendly atmosphere.
<b>InPockets Bakery</b>	40 S. San Marcos Pl., Chandler	480.726.BAKE (2253)	<a href="http://www.inpockets.com">www.inpockets.com</a> Known for its custom cakes, pies, and sandwiches.
<b>Joe's Farm Grill</b>	3000 E. Ray Road, Gilbert Est. 4 min drive	480.563.4745 Price Range: \$10-\$15	<a href="http://www.joesfarmgrill.com">www.joesfarmgrill.com</a> Classic favorites such as burgers, fries, pizza, salads, shakes and barbecue. Also serves breakfast items such as breakfast tacos.
<b>Joe's Real BBQ</b>	301 N. Gilbert Road, Gilbert Est. 12 min drive	480.503.3805 Price Range: \$9-\$15	<a href="http://www.joesrealbbq.com">www.joesrealbbq.com</a> Try the barbecue sampler plate, which includes chicken, shredded pork, beef brisket and ribs slathered in sauce.
<b>La Stalla Cucina Rustica</b>	68 W. Buffalo St., Chandler	480.855.9990	<a href="http://www.lastallacr.com">www.lastallacr.com</a> A wide variety of fine Italian food.
<b>Latitude Eight Thai Grill</b>	11 W. Boston St., Chandler	480.722.0560	<a href="http://www.latitude-eight.com">www.latitude-eight.com</a> Authentic Thai food.
<b>Liberty Market</b>	230 N. Gilbert Road, Gilbert Est. 14 min drive	480.892.1900 Price Range: \$9-\$15	<a href="http://www.libertymarket.com">www.libertymarket.com</a> Sandwiches, salads, pecan wood-fired pizzas and house-made desserts.
<b>Lulu's Taco Shop</b>	610 N. Gilbert Road, Gilbert Est. 14 min drive	480.545.8219 Price Range: Under \$10	Authentic Mexican fare, including the ceviche tostadas, shrimp tacos and chorizo burritos.
<b>Murphy's Law</b>	58 S. San Marcos Pl., Chandler	480.812.1588	<a href="http://www.irishpubchandler.com">www.irishpubchandler.com</a> Wide variety of brews, a great menu and a lively atmosphere.
<b>Nicantoni's Pizza</b>	1430 W. Warner Rd, Gilbert Est. 13 min drive	480.892.2234 Price Range: Under \$10	Award-winning N.Y.-style pizza. <a href="http://www.nicantonis.com">www.nicantonis.com</a>

Restaurant Name	Location	Phone Number	Information
<b>Ole</b>	459 N. Gilbert Road, Gilbert Est. 13 min drive	480.926.3681 Price Range: \$9-\$15	Popular items include green-chili pork, stuffed quesadillas and the Baja burritos filled with cheese, mushrooms, grilled chicken and spinach.
<b>Oregano's Pizza Bistro</b>	328 N. Gilbert Road, Gilbert Est. 14 min drive	480.882.9336 Price Range: \$16-\$25	<a href="http://www.oreganos.com">www.oreganos.com</a> Chicago-style pizza
<b>Romeo's Euro Café</b>	207 N. Gilbert Road, Gilbert Est. 12 min drive	480.962.4224 Price Range: \$16-\$25	<a href="http://www.eurocafe.com">www.eurocafe.com</a> Serves an abundance of European goodies from a number of regions, from Greece to Italy.
<b>SanTan Brewery</b>	8 S. San Marcos Pl., Chandler	480.917.8700	<a href="http://www.santanbrewery.com">www.santanbrewery.com</a> This microbrewery not only boasts great hand-crafted beers brewed on premises, but delicious food as well.
<b>Serrano's Mexican Restaurant</b>	141 S. Arizona Ave., Chandler	480.899.3318	<a href="http://www.serranosaz.com">www.serranosaz.com</a> Tasty, authentic Mexican cuisine.
<b>Simply Unique</b>	8 S. San Marcos Pl., Chandler	480.814.1615	<a href="http://www.simply-unique.biz">www.simply-unique.biz</a> Creamy gelato and Italian ices.
<b>Siracha Lounge</b>	91 W. Boston & 95 W. Boston, Chandler	480.857.1409	<a href="http://www.sirachalounge.com">www.sirachalounge.com</a> Fusion of authentic dishes from Japan, Laos and Korea.
<b>Sushi Eye in Motion</b>	58 W. Buffalo, Chandler	480.686.8183	Very fresh, tasty sushi.
<b>The Bistro @ Kokopelli Winery</b>	35 W. Boston, Chandler	480.792.6927	<a href="http://www.kokopelliwinery.com">www.kokopelliwinery.com</a> Serve Kokopelli's very own wines, but it keeps its customer well-fed and well-entertained with live music on weekends.
<b>The Gilbert House Restaurant</b>	397 S. Gilbert Road, Gilbert Est. 10 min drive	480.507.3383 Price Range: \$5-\$11	<a href="http://www.gilberthouserestaurant.com">www.gilberthouserestaurant.com</a> All-day breakfast.
<b>Urban Tea Loft</b>	11 W. Boston St., Chandler	480.786.9600	<a href="http://www.urbantealoft.com">www.urbantealoft.com</a> Unusual teas and soups, sandwiches and other foods with flair.

# Schedule Overview

Thursday, October 18	
9:00 - 12:00	Pre-conference sessions
12:00 - 1:00	Lunch (2-session pre-conference attendees only)
1:00 - 4:00	Pre-conference sessions
7:00 - 8:30	Keynote presentation
8:30 - 9:30	Trade show reception
Friday, October 19	
7:30 - 9:00	Breakfast
8:30 - 12:45	Sessions
9:00 - 5:30	Trade show open
12:45 - 2:00	Lunch
2:00 - 6:30	Sessions
7:00 - 8:30	Dinner party
8:30 - 9:30	Bonus sessions
Saturday, October 20	
7:30 - 9:00	Breakfast
8:30 - 12:45	Sessions
9:00 - 5:30	Trade show open
12:45 - 2:00	Lunch
2:00 - 6:30	Sessions
Sunday, October 21	
7:30 - 9:00	Breakfast
8:30 - 12:45	Sessions
9:00 - 12:00	Trade show open
1:00 - 1:30	Closing session
2:00 - 5:00	Post-conference sessions

# Session Schedule

Thursday, October 18			
	Elliott	Flagstaff	Gilbert
9:00 - 12:00	<b>Donnay</b> eXpress++ Workshop, Part 1	<b>McNeish</b> iPhone / iPad App Development, Part 1	<b>Bazian</b> PHP for the VFP Developer
12:00 - 1:00	<b>Lunch (only for 2-session pre-con attendees)</b> (Desert Rose)		
1:00 - 4:00	<b>Donnay</b> eXpress++ Workshop, Part 2	<b>McNeish</b> iPhone / iPad App Development, Part 2	<b>Hennig</b> Introduction to C# for VFP Developers
7:00 - 8:30	<b>Keynote Presentation</b> (Elliott/Flagstaff/Gilbert)		
8:30 - 9:30	<b>Trade Show Reception</b> (Desert Rose)		

Friday, October 19						
	Arizona	Bisbee	Elliott	Flagstaff	Gilbert	Carefree
7:30 - 9:00	<b>Breakfast</b> (Desert Rose)					
8:30 - 9:45	<b>Herd</b> Introduction to Compiled Xbase++ Pages (R1)	<b>Grossheinrich</b> SQL for Xbase++ Developers (R1)	<b>Knight</b> VFP Report Writer Tips & Tricks (R1)	<b>Paddock</b> jQuery 101 (R1)	<b>Selje</b> More Fox on the Run (R1)	
10:00 - 11:15	<b>Pirsig</b> Xbase++ 2.0: SQL for DBFs, Objects and Array		<b>Vinitsky</b> Give Me Some Skin, Man! (R1)	<b>Borup</b> Amazon Elastic Cloud Computing (R1)	<b>Hennig</b> Win32API for VFP Developers (R1)	<b>Pinter Consulting</b> WPF/MVVM as a Business Opportunity (R1)
11:30 - 12:45	<b>Warweg</b> HTML & CSS as Your Next-Generation UI (R1)	<b>Herd</b> OOP: When to Use Which Feature for What! (R1)	<b>Granor</b> Try Thor's Terrific Tools (R1)	<b>Cully</b> The Dangers of Accessing SQL Data (R1)	<b>Strahl</b> ASP.NET COM Interop with Visual FoxPro (R1)	<b>FoxInCloud</b> FoxInCloud (R1)
12:45 - 2:00	<b>Lunch</b> (Desert Rose)					
2:00 - 3:15	<b>Grossheinrich</b> Advanced SQL (R1)	<b>Pirsig</b> PostgreSQL at a Glance	<b>Vinitsky</b> Show me Your License, Please (R1)	<b>Bazian</b> SQL Server 2012 (R1)	<b>Schummer</b> Finding the Treasure in VFPX! (R1)	<b>Sybase</b> Expanding Access to your Data (R1)
3:30 - 4:45	<b>Pirsig</b> Project PolarFox: State of the Union	<b>Herd</b> Advanced Compiled Xbase++ Pages (R1)	<b>Wollenhaupt</b> Unit Tests with FoxMock (R1)	<b>Paddock</b> Introduction To Ruby On Rails (R1)	<b>Selje</b> SSMS for Developers (R1)	<b>Servoy</b> Servoy (R1)
4:45 - 5:15	<b>Refreshment Break</b> (Desert Rose)					
5:15 - 6:30	<b>Jones</b> Techniques For Behaviour Control in Forms (R1)	<b>Warweg</b> Connected Mobile Applications with Xbase++ (R1)	<b>Schummer</b> How Craig Boyd Continues Making Me a Hero! (R1)	<b>Bodnar</b> HTML5 (R1)	<b>Strahl</b> Calling .NET Components from Visual FoxPro (R1)	<b>Micromega</b> Foxfire!
7:00 - 8:30	<b>Dinner Party</b> (Desert Rose)					
8:30 - 9:30	<b>Pirsig</b> Late-Night: Xbase++ Long-term Vision		VMP Developer Meeting	Show Us Your Apps		

Saturday, October 20						
	Arizona	Bisbee	Elliott	Flagstaff	Gilbert	Carefree
7:30 - 9:00	<b>Breakfast</b> (Desert Rose)					
8:30 - 9:45	<b>Herd</b> Introduction to Compiled Xbase++ Pages (R2)	<b>Donnay</b> Owner-Drawing: Create Your Own Custom Look (R1)	<b>Granor</b> VFP: Ideal for Tools (R1)	<b>Wollenhaupt</b> Office Automation Without Office (R1)	<b>Strahl</b> ASP.NET COM Interop with Visual FoxPro (R2)	<b>Pinter Consulting</b> WPF/MVVM as a Business Opportunity (R2)
10:00 - 11:15	<b>Pirsig</b> Upsizing: From DBF to PostgreSQL		<b>Knight</b> OutFox the VFP Report Writer (R1)	<b>Paddock</b> jQuery 101 (R2)	<b>Borup</b> Advanced Topics in Mercurial (R1)	<b>Servoy</b> Servoy (R2)
11:30 - 12:45	<b>Warweg</b> HTML & CSS as Your Next-Generation UI (R2)	<b>Herd</b> Advanced Compiled Xbase++ Pages (R2)	<b>Granor</b> Try Thor's Terrific Tools (R2)	<b>Paddock</b> Introduction To Ruby On Rails (R2)	<b>Selje</b> More Fox on the Run (R2)	<b>FoxInCloud</b> FoxInCloud (R2)
12:45 - 2:00	<b>Lunch</b> (Desert Rose)					
2:00 - 3:15	<b>Pirsig</b> Windows 8, an Architecture for the Future	<b>Herd</b> OOP: When to Use Which Feature for What! (R2)	<b>Wollenhaupt</b> Unit Tests with FoxMock (R2)	<b>Bodnar</b> HTML5 (R2)	<b>Borup</b> Amazon Elastic Cloud Computing (R2)	<b>Sybase</b> Expanding Access to your Data (R2)
3:30 - 4:45	<b>Warweg</b> Connected Mobile Applications with Xbase++ (R2)	<b>Grossheinrich</b> SQL for Xbase++ Developers (R2)	<b>Knight</b> VFP Report Writer Tips & Tricks (R2)	<b>Hennig</b> Win32API for VFP Developers (R2)	<b>Selje</b> SSMS for Developers (R2)	
4:45 - 5:15	<b>Refreshment Break</b> (Desert Rose)					
5:15 - 6:30	<b>Pirsig</b> Xbase++ 2.0 from a VFP Dev's Perspective	<b>Donnay</b> Owner-Drawing: Create Your Own Custom Look (R2)	<b>Schummer</b> How Craig Boyd Continues Making Me a Hero! (R2)	<b>Cully</b> The Dangers of Accessing SQL Data (R2)		

Sunday, October 21						
	Arizona	Bisbee	Elliott	Flagstaff	Gilbert	Carefree
7:30 - 9:00	<b>Breakfast</b> (Desert Rose)					
8:30 - 9:45	<b>Grossheinrich</b> Advanced SQL (R2)	<b>Jones</b> Techniques For Behaviour Control in Forms (R2)	<b>Vinitzky</b> Give Me Some Skin, Man! (R2)	<b>Borup</b> Advanced Topics in Mercurial (R2)	<b>Schummer</b> Finding the Treasure in VFPX! (R2)	
10:00 - 11:15	<b>Graham</b> Is your Software ready for the "Cloud"?		<b>Granor</b> VFP: Ideal for Tools (R2)	<b>Bazian</b> SQL Server 2012 (R2)	<b>Strahl</b> Calling .NET Components from Visual FoxPro (R2)	
11:30 - 12:45	Technical Q&A with Alaska Software		<b>Vinitzky</b> Show me Your License, Please (R2)	<b>Wollenhaupt</b> Office Automation Without Office (R2)	<b>Knight</b> OutFox the VFP Report Writer (R2)	
1:00 - 1:30	<b>Closing Session</b> (Elliott/Flagstaff/Gilbert)					
2:00 - 5:00			<b>Bodnar</b> An Afternoon of Modern Web Development	<b>Cully</b> Intro. to REAL Studio for VFP Developers	<b>White Light Computing</b> Lessons from the School of Black and Blue	

(R1): the first time this session is presented

(R2): the second time this session is presented

# Session Abstracts

## Pre-Conference Sessions

### Introduction to C# for VFP Developers

Moving Forward  
Pre-Conference

**Presenter:** Doug Hennig

**Level:** Intermediate

**When:** Thursday, October 18, 1:00 - 4:00, Gilbert

Even if you're planning to continue development in VFP, learning another language like C# can be very useful. There are some things that are a lot easier and faster to do in .Net than in VFP (the reverse is also true). This session introduces the C# language, comparing it to constructs and syntax in VFP to shorten the learning curve.

You will learn:

- How to create a project in Visual Studio
- What strong typing means and what are the advantages and disadvantages over weak typing
- The basics of C# syntax
- How C# classes differ from VFP classes
- How to create C# classes
- Inheritance in C#
- The uses of abstract classes and interfaces
- What static classes and members are

Prerequisites: General knowledge of programming

### PHP for the VFP Developer

Technology  
Pre-Conference

**Presenter:** Menachem Bazian

**Level:** Intermediate, Advanced

**When:** Thursday, October 18, 9:00 - 12:00, Gilbert

Often a Visual FoxPro application will have to share data with a web application. You may be asked to write web reports or simple routines to interact with your data.

When it comes to web technologies, Linux is far more prevalent than Windows. In fact, 66.1% of all internet web servers are running Apache whereas only 18.4% are using IIS. When it comes to server side languages, PHP commands 77.3% of the market.

PHP and Apache also have the benefit of being cross platform. Apache runs on Linux and Windows, PHP runs on Apache or IIS.

Although PHP can look very strange at first, there are strong correlations between Visual FoxPro and PHP. Learning to work with PHP is not that difficult, even if you have never seen it before.

This session will give a primer on PHP and discuss how you can work with your client-server data in both Visual FoxPro and on your web application.

You will learn:

- An overview of Web technologies
- About Web based development and how it differs from traditional desktop development
- PHP basics
- How to access and update data in PHP

Prerequisites: Client-Server basics, SQL, basic understanding of HTML, CSS and Javascript

## eXpress++ Workshop, Part 1

Pre-Conference

**Presenter:** Roger Donnay

**Level:** Beginner

**When:** Thursday, October 18, 9:00 - 12:00, Elliott

This workshop is designed for new and seasoned eXpress++ users. eXpress++ has gone through several major new builds since our last eXpress++ Devcon in 2008. Most of the new features and improvements have been dedicated to creating Xbase++ applications that are more visually appealing and easier to Xbase++ develop and maintain.

The eXpress++ method has proven itself over the past 12 years and has enlarged its community of loyal and productive programmers. This workshop focuses on improving productivity even more while also providing a much better application to your customers.

You will learn:

- Sub-Classing: This is the most important new enhancement to eXpress++ in the past 4 years. It allows power users to develop new strategies and improve their end product with no structural changes to existing code.
- Owner-drawing: This important capability of Xbase++ has been integrated into eXpress++ in ways that give your application an "instant" face-lift with only a few lines of code.
- XCodeJock: eXpress++ now includes a simple command interface to the popular suite of CodeJock ActiveX controls.
- DCRMChart: eXpress++ now includes a simple command interface to the popular RMChart graphing system.
- Xbase++ 2.0 - A discussion of how eXpress++ will move forward with Xbase++ 2.0 and support the plethora of new 2.0 features.

Prerequisites: eXpress++ user

## eXpress++ Workshop, Part 2

Pre-Conference

**Presenter:** Roger Donnay

**Level:** Beginner

**When:** Thursday, October 18, 1:00 - 4:00, Elliott

This session continues from Part 1.

## iPhone / iPad App Development for Beginners, Part 1

Pre-Conference

**Presenter:** Kevin McNeish

**Level:** Beginner

**When:** Thursday, October 18, 9:00 - 12:00, Flagstaff

This workshop takes you from the initial inception of an idea for an App through the design, implementation, testing, and release of an iOS App. In this workshop you get a real taste for the entire App development process from beginning to end with emphasis on best practices throughout. This session is the first of two parts.

You will learn:

- The Cocoa Touch Framework
- Objective-C
- The Xcode App Development Tool
- How to lay out the User Interface
- How to work with Data
- How to create Prototype Apps
- Application Architecture
- How to enhance your App with Maps, Web views, Email, Text Messaging, and more!

Prerequisites: Basic programming skills

## iPhone / iPad App Development for Beginners, Part 2

Pre-Conference

**Presenter:** Kevin McNeish

**Level:** Beginner

**When:** Thursday, October 18, 1:00 - 4:00, Flagstaff

This session continues from Part 1.

### ASP.NET COM Interop with Visual FoxPro Revisited

Extending VFP

**Presenter:** Rick Strahl

**Level:** Intermediate

**When:** Friday, October 19, 11:30 - 12:45, Gilbert (R1)  
Saturday, October 20, 8:30 - 9:45, Gilbert (R2)

Accessing FoxPro COM objects from ASP.NET is one way to create Web applications that take advantage of Visual FoxPro code and data on the Web. In this session we'll discuss how to create COM objects for use in .NET, how to pass data between FoxPro and .NET, how to manage the development workflow for using FoxPro COM objects in .NET and how FoxPro integration affects ASP.NET performance and scalability. This session also discusses the many improvements .NET 4.0 brings to COM interop that simplify working with FoxPro objects inside of .NET code.

You will learn:

- How to use FoxPro COM Objects
- How to pass data between FoxPro and .NET
- How to handle the interop workflow when creating ASP.NET applications
- Details of how ASP.NET works with Interop code

Prerequisites: Basic understanding of FoxPro COM. Basic familiarity with IIS and Web Development.

### Advanced Compiled Xbase++ Pages (CXP)

Web and Mobile

**Presenter:** Andreas Herdt

**Level:** Intermediate

**When:** Friday, October 19, 3:30 - 4:45, Carefree (R1)  
Saturday, October 20, 11:30 - 12:45, Carefree (R2)

In this session, attendees will learn how complex web applications can be created using CXP. In addition, design patterns will be introduced that will help you write code that is easily maintainable and that can deal with complex tasks in an orderly fashion. The session is intended for everybody interested in creating state-of-the-art, platform-independent application user interfaces.

You will learn:

- How to upload files to your website
- How to use Ajax to create dynamic and interactive web pages
- The structure of a dynamic website using pagelets and layouts
- How to use declarative markup for validating input without having to revert to Javascript
- The role of CXP in Alaska's tool chain

Prerequisites: Basic Xbase++/VFP programming skills, basic knowledge about CXP. Attendance of the "Introduction into CXP" session is recommended.

## Advanced SQL

SQL Programming

**Presenter:** Frank Grossheinrich

**Level:** Intermediate

**When:** Friday, October 19, 2:00 - 3:15, Bisbee (R1)  
Sunday, October 21, 8:30 - 9:45, Bisbee (R2)

This session takes the participants to a deeper level of SQL programming. The first part of the session is all about complex queries and views. The second part compares the locking/isolation concepts of ISAM and SQL and gives the attendee a deeper understanding of how concurrency issues are resolved in real-world application using transactions and selecting proper isolation levels. Finally, attendees get a better understanding of the limitations of SQL on the server-side, and learn to balance between SQL, ISAM and in-process SQL to achieve great performance and scalability.

You will learn:

- How to get the best performance from your SQL queries
- How to choose the proper isolation level
- How to use transactions effectively
- About the limitations of SQL

Prerequisites: Basic programming skills, basic knowledge about SQL

## Advanced Topics in Mercurial: Taking it to the Next Level

Extending VFP  
Technology

**Presenter:** Rick Borup

**Level:** All levels

**When:** Saturday, October 20, 10:00 - 11:15, Gilbert (R1)  
Sunday, October 21, 8:30 - 9:45, Flagstaff (R2)

This session begins where Rick's Southwest Fox 2011 presentation on VFP Version Control with Mercurial left off. After a quick review of Mercurial's basic concepts and commands, this session explores more advanced topics drawn from the author's real-world, everyday experiences as a full-time VFP developer using Mercurial. This session is designed for VFP developers who want to improve their working knowledge of Mercurial as well as for those who have not yet started but want to begin using Mercurial in their everyday development work. In addition to the topics listed below, this session may also explore Mercurial extensions, hooks (the Mercurial API), and the new Mercurial actions in FinalBuilder 7.0 if time and interest allow.

You don't need any previous experience with Mercurial to benefit from this session. For those who didn't get a chance to see it yet, the white paper from the 2011 introductory session is available on Rick's website.

You will learn:

- About the many different configuration options for Mercurial and TortoiseHg
- How to use the TortoiseHg shell extension for Windows for maximum advantage
- How to work with remote repositories
- Ways to facilitate experimentation and parallel track development work
- How to serve Mercurial repositories, both locally and over http

- How to use the Bitbucket hosting service for Mercurial
- How to get out of trouble, and how to stay out of trouble in the first place
- Other ways to more fully explore the power of Mercurial

Prerequisites: A working knowledge of Visual FoxPro development. Some knowledge of distributed version control systems (DVCS) in general, and of Mercurial in particular, would be helpful but are not required.

## Amazon Elastic Cloud Computing for Fun and Profit

Moving Forward  
Technology

**Presenter:** Rick Borup

**Level:** All levels

**When:** Friday, October 19, 10:00 - 11:15, Gilbert (R1)

Saturday, October 20, 2:00 - 3:15, Gilbert (R2)

Gone are the days where banks of dedicated physical servers lined the floor, shelves, or racks in your hardware closet. If you're deploying Web-based solutions these days, you're most likely going to use a cloud-based virtual private server from one of the big names in the business, and they don't get much bigger than Amazon Elastic Cloud Computing (EC2) from Amazon Web Services (AWS). Getting started with EC2 can be a little intimidating, but once you learn the lingo and get used to the interface, you'll be amazed at the power and flexibility EC2 solutions provide. Come to this session and learn how to make EC2 work for you!

You will learn:

- How to create an AWS account
- The different EC2 instance types and their pricing
- How to work with the AWS management console
- How to create and configure an instance of a Windows server
- How to configure your server, communicate with it, and make it accessible to the outside world
- Other things to help you become comfortable working with EC2

Prerequisites: The ability to breathe and stay awake for 75 minutes.

## Calling .NET Components from Visual FoxPro with wwDotnetBridge

Extending VFP

**Presenter:** Rick Strahl

**Level:**

**When:** Friday, October 19, 5:15 - 6:30, Gilbert (R1)

Sunday, October 21, 10:00 - 11:15, Gilbert (R2)

.NET offers a lot of useful system functionality and more and more system and third party components are created in .NET. Take advantage of all this functionality by using .NET Interop from within FoxPro. This session describes how COM Interop with .NET works and introduces wwDotNetBridge which allows access to most .NET components and advanced features that are not accessible using plain .NET COM Interop.

You will learn:

- Why Interop with .NET is useful

- How .NET Interop from FoxPro works
- What limitations exist in standard .NET Interop
- How to pass data between FoxPro and .NET
- How to access more advanced features with wwDotnetBridge
- How to use no-registration loading for .NET components with wwDotnetBridge

Prerequisites: Basic understanding of FoxPro COM objects. Basic .NET concepts are useful but not required.

## Connected Mobile Applications with Xbase++

Web and Mobile

**Presenter:** Till Warweg

**Level:** Beginner

**When:** Friday, October 19, 5:15 - 6:30, Carefree (R1)

Saturday, October 20, 3:30 - 4:45, Bisbee (R2)

What is a mobile application and what does the term "connected" stand for? This session outlines the challenges in mobile application programming and explains the differences between native and HTML5/CSS-based mobile applications. All the necessary techniques are covered so attendees of this session will be equipped to create their own connected mobile applications for iPhone, Android and Windows Phone using Xbase++.

You will learn:

- How to use CXP to create state-of-the-art connected mobile applications
- Installation, packaging and deployment strategies for your mobile app
- About HTML5 and JavaScript frameworks for mobile application programming

## Finding the Treasure in VFPX!

VFPX

**Presenter:** Rick Schummer

**Level:** All levels

**When:** Friday, October 19, 2:00 - 3:15, Gilbert (R1)

Sunday, October 21, 8:30 - 9:45, Gilbert (R2)

VFPX, one of the most active open source projects hosted on CodePlex, has some terrific tools to enhance the Visual FoxPro Interactive Development Environment (IDE) and components to impress your customers in the applications you write for them. This session covers some of the recent updates and additions to VFPX in 2012.

We are going to cover as much of these tools as time allows and might customize the session to the whim of the attendees' needs:

- Exploring the Data Explorer enhancements
- Using the new VFP 9 SP2 Help File
- Leveraging FoxTabs productivity
- Polishing apps with Vista (and Windows 7) Dialogs via COM
- Doing more than one thing at a time with ParallelFox
- Playing GoFish with your text searches
- Printing QR Codes from your apps

- Messaging users with Desktop Alerts
- Boosting productivity with PEMEditor
- Installing tweaks to the Microsoft XSource
- Hooking into the Project Manager with ProjectHookX
- Beating the Windows API with VFP2C32
- Displaying the hierarchy with the Organizational Chart
- Charting data with FoxCharts
- Keeping up to date with changes in VFPX with the power of Thor

You will learn:

- What is new in VFPX in 2012
- How VFPX is going to make a developer's life easier
- Where to get all the new goodness
- Why it is important to get involved in VFPX

Prerequisites: None

## Give Me Some Skin, Man!

Solidifying VFP

Extending VFP

**Presenter:** Tuvia Vinitsky

**Level:** All levels

**When:** Friday, October 19, 10:00 - 11:15, Elliott (R1)

Sunday, October 21, 8:30 - 9:45, Elliott (R2)

Desktop apps are here for a while at least, but VFP produced apps look like they are 10 years out of date. Can a developer use VFP's extensive feature set and still deliver exciting looking apps?

Yes, you can. VFP forms, reports, menus and applications can look like the newest and slickest apps around. Using skins and some GDI+ can turn an old fashioned looking app into the state of the art looking app.

Watch as an app goes from boring to beautiful before your eyes!

You will learn:

- How to skin forms and classes
- How to deal with controls on a form
- How to use GDI+ to give forms/classes a customized look
- How to make menus look modern
- How to decide on UI options: should the forms have the Microsoft Ribbon look? Or some other look?

Prerequisites: Basic VFP knowledge.

## HTML & CSS as Your Next-Generation UI

Web and Mobile  
Solidifying Xbase++

**Presenter:** Till Warweg

**Level:** Beginner

**When:** Friday, October 19, 11:30 - 12:45, Bisbee (R1)

Saturday, October 20, 11:30 - 12:45, Bisbee (R2)

In this presentation, you will learn how HTML (or more specifically, HTML5 and CSS) can be used to create rich application user interfaces. The new semantic tags in HTML5 make creating data-driven UIs a snap without the need to learn Windows GUI-programming. Attendees will learn how to make use of this technology in the context of their existing Xbase++ applications to give them an outstanding look-and-feel. Of course, web developers are welcome too, as many of the techniques presented can also be applied to web application development using CXP!

You will learn:

- The role of HTML5 and CSS in modern web applications
- About semantic tags and other new features in HTML5
- About CSS as a mechanism for abstracting the representation/UI from the actual data
- How to bind your declarative HTML code with your data using Knockout.JS
- How to add interactivity using JQuery and make the UI fluid

## HTML5

Technology

**Presenter:** Stephen J. Bodnar

**Level:** Intermediate

**When:** Friday, October 19, 5:15 - 6:30, Flagstaff (R1)

Saturday, October 20, 2:00 - 3:15, Flagstaff (R2)

There is a lot of confusion and hype surrounding HTML5. The confusion is because the HTML5 standard isn't scheduled to reach "full recommendation status" until 2022! Yet we're seeing it in all the latest browsers for both desktops and mobile devices. (Of course, they don't all implement HTML5 exactly the same as the others!) The hype comes with all the new features available to us today.

In this session, we'll take a look at the timeline and discuss what it means to us - specifically why we shouldn't wait until 2022 to start using HTML5.

We'll dive into several of the new HTML5 features and look at examples of how these things are to be implemented into our websites. We'll look at the new semantic HTML (new tags such as <header> and <footer>); video and audio; Canvas; geolocation; inline elements (<mark>, <time>, <progress>); form input types (<datetime>, <range>, <email>...); interactive elements (<details>, <datagrid>, etc.); offline capabilities; mobile implications and more.

You will learn:

- Why it is okay to use HTML5 today, even though the standard isn't scheduled to be finalized until 2022
- How and why to use the new semantic HTML
- Benefits of other new features such as Canvas, Geolocation and offline capabilities
- How older browsers react to HTML5

Prerequisites: Experience with HTML

## How Craig Boyd Continues Making Me a Hero!

Solidifying VFP

Extending VFP

**Presenter:** Rick Schummer

**Level:** Intermediate, Advanced

**When:** Friday, October 19, 5:15 - 6:30, Elliott (R1)

Saturday, October 20, 5:15 - 6:30, Elliott (R2)

Craig Boyd is one of the most generous developers in the Fox Community. Over the years his blog has included many posts where he delivers a cool FLL file that extends the functionality of a VFP application, or straight VFP code with numerous benefits, which make me look like a hero to my customers. This session picks up from last year's presentation on this topic, demonstrating more code and more features Craig makes available to the community.

Do you want your installs to have the professional manifest file for Vista and Windows 7 installs so your customers do not get the "untrusted" application message? Have you ever wanted your applications to go look for a more recent version and automatically have it updated? Have third-party applications requested data or provided data to you in JSON format and you need some code to work with it? Wouldn't it be great if you could use Windows Search in your custom application to be able to search for something on a computer? Have trouble coming up with a licensing scheme to protect the intellectual property you worked so hard on?

This session is going to go through some more of Craig's best FLLs and other tools, show you what they do and how you implement them, and how simple it is for you to look like a hero too.

You will learn:

- Application Manifest
- AppUpdater
- JSON Class Library
- Windows Desktop Search (Foxy Search)
- Visual FoxPro Random License/Serial Generator
- Backups for VFP Databases
- Vista/Win7 Progress Bar
- Skinning a VFP Form
- BindEvents on Steroids

Prerequisites: None

## Introduction To Ruby On Rails

Moving Forward

Extending VFP

**Presenter:** Rod Paddock

**Level:** Beginner

**When:** Friday, October 19, 3:30 - 4:45, Flagstaff (R1)

Saturday, October 20, 11:30 - 12:45, Flagstaff (R2)

One of the premier web development platforms is Ruby on Rails. Along with being a fantastic tool for building web applications, Ruby on Rails has a thriving software development community. By attending this session you will walk

away with a better understanding of what Ruby on Rails is and how you can take advantage of it today for building applications that scale from simple to complex. If you have never used Rails and are curious this session is for you.

You will learn:

- How to create new applications with Ruby on Rails
- How Ruby on Rails Applications are structures
- How Ruby on Rails uses the MVC pattern for constructing web applications
- How to create web pages with Ruby on Rails
- How to access and validate data with built in Ruby on Rails features
- How to deploy your application to the cloud using Heroku

Prerequisites: Knowledge of fundamental programming.

## Introduction to the Compiled Xbase++ Pages (CXP)

Web and Mobile

**Presenter:** Andreas Herdt

**Level:** Beginner

**When:** Friday, October 19, 8:30 - 9:45, Bisbee (R1)

Saturday, October 20, 8:30 - 9:45, Bisbee (R2)

This session gives a hands-on introduction to Compiled Xbase++ Pages. Based on examples that outline the various features which are included, participants will get a good understanding of how CXP can be used for creating state-of-the-art web applications. The presentation is intended for programmers having limited or no experience in building dynamic web sites or web applications. In addition, users of Active FoxPro Pages should attend this session to prepare themselves for the move.

You will learn:

- The feature set and inner workings of Compiled Xbase++ Pages
- How to use CXP as a build-and-execution engine for creating dynamic web pages and web sites
- How easy it is to add value to your exiting Win32 application using dynamic web content

## Is your Software/System ready for the "Cloud"?

Solidifying Xbase++

**Presenter:** Jim Graham

**Level:** Beginner

**When:** Sunday, October 21, 10:00 - 11:15, Bisbee

A case study of shifting the delivering of a Call Center Solution to a "Hosted" model. The presentation will include the technical and financial details of delivering a hardware and software solution for customers to run in their office versus offering the same solution as a hosted subscription service. Different financial models will be presented illustrating the differences between selling a hard software and hardware solution versus selling a cloud based solution.

You will learn:

- How a company's business model has changed as a result of "cloud computing"
- What "software as a service" means for your existing application

## jQuery 101

Extending VFP

**Presenter:** Rod Paddock

**Level:** Beginner

**When:** Friday, October 19, 8:30 - 9:45, Flagstaff (R1)

Saturday, October 20, 10:00 - 11:15, Flagstaff (R2)

Web 2.0 is here to stay. jQuery is a JavaScript library that abstracts away all of the gory details of working with JavaScript for web applications. This session demonstrates how to add jQuery to your web applications today. This session focuses on proper uses of jQuery, how to use selectors in jQuery, and how to manipulate your web content dynamically. Along with uses of the standard jQuery library, time will also be spent exploring some of the most useful jQuery plug-ins.

You will learn:

- How to bootstrap jQuery into your web applications
- How to select elements for manipulation
- How to manipulate element properties and look and feel
- How to attach events to object
- How plug-ins can be used to add complex features to your web applications simply

Prerequisites: An understanding of HTML and knowledge of fundamental programming.

## Late-Night: Xbase++ Long-term Vision

Deep Dive  
PolarFox

**Presenter:** Steffen F. Pirsig

**Level:** Beginner

**When:** Friday, October 19, 8:30 - 9:30, Bisbee

In this late-night session, Steffen will talk about the vision Alaska Software has for the Xbase++ development platform. Starting with the basic idea that the Polarfox project is going to be much more than "just" a VFP successor, he will outline details about our technical roadmap and position in terms of 64-bit and native Unicode support. Other major topics are Xbase++ as a stored procedure language for the PostgreSQL server, and how Alaska Software intends to pioneer again\* in terms of scalability in the multi-core world of tomorrow. In short, Steffen will talk about the long-term direction envisioned for Xbase++ in light of recent and long-term developments in the IT industry.

\*Alaska Software pioneered multithreaded application development more than 10 years ago with its intelligent and automated multithreading. Xbase++ applications are multithreaded in various ways. Garbage collection is asynchronous, event management is done in a separate thread to ensure application responsiveness even under heavy workload. All memory variables are automatically serialized if accessed from different threads, methods can be attributed synchronized...

You will learn:

- How Windows 8 and Windows-on-Arm affect Xbase++
- About Xbase++ as a stored procedure language!

- About Scalability and multicores

## More Fox on the Run

Extending VFP  
Technology

**Presenter:** Eric J. Selje

**Level:** Intermediate

**When:** Friday, October 19, 8:30 - 9:45, Gilbert (R1)

Saturday, October 20, 11:30 - 12:45, Gilbert (R2)

Last year we took a look at how to make your FoxPro data available on Android and iOS devices by using HTML5, web services, and PhoneGap. This year we'll dig a little deeper by extending our application so that we can save data in our application, even if we're offline. We'll then look at different ways to synchronize that data back to our main database once our application detects that we're back online.

You will learn:

- Different methods to save data when you're not online, including data libraries to standardize across different browsers.
- Strategies for synchronizing the local data with your server
- Other practical tips for your mobile application

**Prerequisites:** You don't have to have attended last year's session. We will quickly review the application and then extend that application with new features.

## OOP: When to Use Which Feature for What!

Solidifying Xbase++

**Presenter:** Andreas Herdt

**Level:** Beginner

**When:** Friday, October 19, 11:30 - 12:45, Carefree (R1)

Saturday, October 20, 2:00 - 3:15, Carefree (R2)

This session looks at various topics related to object-oriented programming from a practical, real-world perspective. By examining general design and programming patterns, attendees learn how to get the most out of the features available in an object-oriented language such as Xbase++ or Visual FoxPro. What is an interface and a contract, what is the difference between implementation and interface, and how do these relate to the DEFERRED keyword? What is the benefit of creating ACCESS/ASSIGN (set/get) methods? What is the effect on code robustness and security when using the EXPORTED keyword? These questions (and more!) will be answered in this session.

You will learn:

- Use-cases and design patterns for robust application design
- The implications and proper usage of interfaces and contracts
- The benefits of using ACCESS/ASSIGN methods (set/get) methods in a class
- Best practices for defining visibility for methods and member variables
- Coding style naming conventions

## Office Automation Without Office

Extending VFP  
Technology

**Presenter:** Christof Wollenhaupt

**Level:** Intermediate

**When:** Saturday, October 20, 8:30 - 9:45, Flagstaff (R1)

Sunday, October 21, 11:30 - 12:45, Flagstaff (R2)

Mail merge letters, reports, evaluations... There are tons of documents that a business application is supposed to produce. Automating Microsoft Office is still a popular approach to produce MS Office compatible documents that users may modify according to their needs. Unfortunately, automating Office has a number of drawbacks. Every computer needs an installed and licensed version of Office. Configuration and the version of Office have a severe impact on the code. And automation on a server, well, even Microsoft published a KB article on why that's not a good idea.

Google Docs is an inexpensive alternative to create office documents without the hassle of various configuration. The only requirements are basically an internet connection and a Google account. In this session, we will create text documents, spreadsheets and presentations. An extensive set of classes makes creating those documents easier than automating Office.

You will learn:

- How to access Google Docs
- How to create various documents
- What's not possible in Google Docs

## OutFox the VFP Report Writer - Printing on My Terms

Solidifying VFP  
Extending VFP

**Presenter:** Cathy Knight

**Level:** Intermediate, Advanced

**When:** Saturday, October 20, 10:00 - 11:15, Elliott (R1)

Sunday, October 21, 11:30 - 12:45, Gilbert (R2)

The Visual FoxPro Report Writer has great power, but sometimes you need to print reports slightly different than the native behavior. In this session I'll show you how to use the VFP ReportListener object, combined with API calls, to extend the way you print reports. You'll learn how to print from the previewer WITHOUT closing the preview window. You'll also learn many more techniques such as printing two pages per sheet so you can bind the report as a booklet.

You will learn:

- How to print selected pages without closing the previewer
- How to print multiple copies, collated and non-collated
- How to print multiple pages on one sheet
- How to print booklets
- How to offer a "shrink to fit" feature

Prerequisites: Familiarity with the VFP Report Writer

## Owner-Drawing: Create Your Own Customized Look

Solidifying Xbase++

**Presenter:** Roger Donnay

**Level:** Intermediate

**When:** Saturday, October 20, 8:30 - 9:45, Carefree (R1)

Saturday, October 20, 5:15 - 6:30, Carefree (R2)

Xbase++ 1.9 and 2.0 has opened up some exciting new possibilities for incorporating new methods of control over the visual aspects of an application. The default behavior of Xbase++ is to allow objects such as XbpPushButton() to be drawn by the operating system. This limits the visual aspects to only those features provided by the OS and gives the programmer very little control over the look of the application.

Owner-drawing gives the programmer the option of drawing all or portions of the object using the Xbase++ graphics engine.

Also included in this session are several complete new classes with source code and sample programs that are ready to be used in your Xbase++ programs with no other software required.

The new pushbutton class provides features such as radiused corners, gradient options, multiple bitmaps, icons and caption strings, a drop-down menu option and much more.

You will learn:

- Basics of owner-drawing
- The Xbase Parts classes that support owner-drawing
- The Xbase++ graphics engine
- The Draw() method
- How to improve the look of browsers with owner-drawing

Prerequisites: Basic Xbase++ knowledge

## PostgreSQL at a Glance

SQL Programming  
Client/Server

**Presenter:** Steffen F. Pirsig

**Level:** Beginner

**When:** Friday, October 19, 2:00 - 3:15, Carefree

This session gives a high-level introduction to the PostgreSQL database server. The PostgreSQL server is the preferred SQL database management system for Xbase++ solutions and is supported right out-of-the-box.

This presentation will familiarize xBase developers with the powerful PostgreSQL DBMS, its feature set and administrative front-end. You will also be taken through the installation procedure and will learn more about the basic steps required to get yourself ready for developing for PostgreSQL.

You will learn:

- Installation of the PostgreSQL database server

- Basic configuration required for development
- Basic usage patterns in your Xbase++ application
- Managing databases, tables and columns
- Basic management tasks, such as backing up data and performance tuning

## Project PolarFox: State of the Union

PolarFox

**Presenter:** Steffen F. Pirsig

**Level:** Beginner

**When:** Friday, October 19, 3:30 - 4:45, Bisbee

Xbase++ 2.0 already contains some of the commands and features known from Visual FoxPro. Migrating a whole Visual FoxPro project to the new platform, however, will not be supported until Xbase++ 3.0 ("PolarFox") is released. The individual steps during the migration as well as the level of compatibility which can be expected is what attendees will learn in this session. This session is based on the current stage of the PolarFox project at the time the conference is held. Attendees will get a good understanding about what they can await from PolarFox and what not.

You will learn:

- The latest project news
- What progress has been made since the last DevCon
- Demos and case studies!
- How to prepare for the move to PolarFox

## SQL Server 2012

Extending VFP  
Technology

**Presenter:** Menachem Bazian

**Level:** Intermediate

**When:** Friday, October 19, 2:00 - 3:15, Flagstaff (R1)

Sunday, October 21, 10:00 - 11:15, Flagstaff (R2)

Learn what's new in SQL Server 2012 and what features it brings to your Visual FoxPro applications.

## SQL for Xbase++ Developers

SQL Programming

**Presenter:** Frank Grossheinrich

**Level:** Beginner

**When:** Friday, October 19, 8:30 - 9:45, Carefree (R1)

Saturday, October 20, 3:30 - 4:45, Carefree (R2)

This session introduces the structured query language (SQL) as a means for data access and manipulation in Xbase++ applications. Going over sample applications and general programming patterns, this session also outlines the differences between Universal and Unified SQL.

This session is intended primarily for Xbase++ programmers who are new to SQL programming. Visual FoxPro developers wanting to familiarize themselves with the level of SQL-support provided in Xbase++ should also consider attending.

You will learn:

- Where SQL can make your work easier, and what are its limitations
- The advantages of converting existing queries or business logic to SQL
- The kind of performance gains that can be achieved by converting to SQL

## SSMS for Developers

Moving Forward  
Technology

**Presenter:** Eric J. Selje

**Level:** Beginner, Intermediate

**When:** Friday, October 19, 3:30 - 4:45, Gilbert (R1)

Saturday, October 20, 3:30 - 4:45, Gilbert (R2)

We are developers, but a lot of us become de facto SQL Server administrators without getting any formal training. We may get by with only a shallow knowledge of the main tool we have for managing SQL Server, but it's time to dig deeper into what SQL Server Management Studio a little.

Do you really know what this seemingly simple tool can do? There's a lot more there than meets the eye.

You will learn:

- Tips and Tricks to make your development life easier
- What SSMS "Projects" are and why you should use them
- How can you debug scripts as effectively as you debug your FoxPro code
- How can you track changes to your stored procedures and functions
- How to use the keyboard effectively
- What the built-in variables and functions are in SQL Server
- About some 3rd party tools to help you along the way

Prerequisites: Basic understanding of SQL Server. This is not a "Beginning in SQL Server" session, but rather a "How can I use SSMS more effectively."

## Show me Your License, Please

Solidifying VFP  
Technology

**Presenter:** Tuvia Vinitzky

**Level:** Beginner, Intermediate

**When:** Friday, October 19, 2:00 - 3:15, Elliott (R1)

Sunday, October 21, 11:30 - 12:45, Elliott (R2)

Deploying updates to your applications has always been a thorn in the side of VFP development. The users want easy update access, but what is the best way to provide that? Should you use a loader? Local executables? FTP updates?

What happens when data structure changes are needed? What about using a loader and needing to update the loader? How do you manage exclusive access?

Licensing is a need that is closely related to updating. Are the users exceeding the maximum number of licenses? What is the best way to manage logons and concurrent licenses?

This session will review the major methods of updating a live application as well as demonstrate how we do it with our larger scale applications. We will also review the best techniques for license management.

You will learn:

- Five different update methods
- Licensing sweet and simple - easy ways to ensure that maximum licenses are not exceeded
- Pros and cons of third party licensing add-ons
- How to update data structures in live applications
- What update options should you give your user
- Maintaining different versions for different clients

Prerequisites: Basic VFP skills.

## Technical Q&A with Alaska Software

Solidifying Xbase++

**Presenter:** Xbase++ core team

**Level:** Beginner

**When:** Sunday, October 21, 11:30 - 12:45, Bisbee

This session is intended to give the participants an opportunity to voice their technical concerns, questions and ideas with Alaska Software. No formal presentation will be given. Instead, this session will be about the issues YOU deem important!

You will learn:

- What the Alaska people think about the questions and ideas that you feel are important, of course from a pure technical point of view.

## Techniques For Behaviour Control in Data Entry Forms

Solidifying Xbase++

**Presenter:** Clayton Jones

**Level:** Beginner

**When:** Friday, October 19, 5:15 - 6:30, Bisbee (R1)

Sunday, October 21, 8:30 - 9:45, Carefree (R2)

Behavior control is a primary challenge when designing data entry forms because each window is different depending on what components are on the form, how events are handled, where focus is placed, and whether focus is kept in one place or allowed to change.

This session examines these issues by presenting a number of dialog windows, from simple to complex, each requiring a very different approach. Each window will be demonstrated, with a look under the hood at the source code and the design principles used.

You will learn:

- Where to place focus, and whether it should remain there
- Advantages of central Keyhandler Functions
- Differences with Child and Modal windows
- How to create windows with multiple modes of behavior
- How to create windows with browse objects
- How to design for keyboard and mouse events
- When to use event loops
- Uses for multi-threading

## The Dangers of Accessing SQL Data

Solidifying VFP

Extending VFP

**Presenter:** Kevin J. Cully

**Level:** Intermediate

**When:** Friday, October 19, 11:30 - 12:45, Flagstaff (R1)

Saturday, October 20, 5:15 - 6:30, Flagstaff (R2)

In the 'What is old, is new again' department, Microsoft has announced that the future and preferred data access methodology is ODBC. As FoxPro programmers, we've been accessing SQL data via ODBC for years. But there have been stumbling blocks and some showstoppers over the years. We'll take a look at them and develop an approach to find them before they find us. We'll answer questions such as:

- Do you know whether all of your users are using the same version of the ODBC driver for your database?
- Does VFP behave the way you think it is supposed to when querying against a field type such as TEXT? What about MIDTEXT or LONGTEXT?
- ODBC drivers are famous for fixing an existing bug, and then having the next version it break again, only to have the next version fix it again. Repeat. Should you go with the next version and will your program work?
- What about upgrading to the new version of Microsoft SQL Server? or PostgreSQL? or Firebird? Will your existing SELECTs, INSERTs, UPDATEs and DELETEs behave the way you intend? Was there a deprecated feature that breaks your code?
- What about performance? From one version of ODBC driver to another, we hope that performance improves. What if it gets slower? Much slower? Best to find that out sooner in the development cycle.

You will learn:

- How to control your VFP to SQL Server ODBC driver versions
- How to determine if it is safe to upgrade to the next version of the ODBC driver
- How to determine if it is safe to upgrade to the next version of your SQL Server of choice

**Prerequisites:** A good working knowledge of Visual FoxPro. At least some understanding of SQL Server operations.

## Try Thor's Terrific Tools

VFPX

**Presenter:** Tamar E. Granor

**Level:** Intermediate

**When:** Friday, October 19, 11:30 - 12:45, Elliott (R1)

Saturday, October 20, 11:30 - 12:45, Elliott (R2)

The VFPX project, Thor, includes dozens of tools to aid in development. In this session, we'll look at some of what Thor has to offer. The session will explore a number of Thor tools, including Document View, Create Locals, Compare Objects, and much more. We'll also see how to make any Thor tool available with a keyboard shortcut. We'll also look at how to add your own tools to Thor and, if time permits, how to set up user preferences for a tool.

You will learn:

- How Document TreeView is an improvement over the native Document View
- How Thor can ensure that every variable you use is declared local
- How Thor lets you compare the PEMs of a pair of objects
- How to give any Thor tool a keyboard shortcut

## Unit Tests with FoxMock

Solidifying VFP

Extending VFP

**Presenter:** Christof Wollenhaupt

**Level:** Intermediate

**When:** Friday, October 19, 3:30 - 4:45, Elliott (R1)

Saturday, October 20, 2:00 - 3:15, Elliott (R2)

The idea behind unit tests is to test units as small as possible at the earliest time. With small sample classes, this works beautifully. When applying unit tests to a real project, especially existing ones, we quickly discover how many complex interdependencies there are in our code. Most VFP applications use global application objects, and most objects rely on others to perform their duty.

FoxMock is a mockup framework mainly for unit tests. With FoxMock you can dynamically create objects with methods, properties, subobjects and - most importantly - behavior and validation. By replacing all dependencies of the tested object with mock objects, you can restrict the test to a single object without going through a heavy redesign of the entire app.

You will learn:

- What FoxMock is
- How to create unit tests with it
- How to minimize dependencies

## Upsizing: From DBF to PostgreSQL

Client/Server

**Presenter:** Steffen F. Pirsig

**Level:** Beginner

**When:** Saturday, October 20, 10:00 - 11:15, Bisbee

This session outlines the steps required to upsize an existing DBF/NTX/CDX-based Xbase++ application into a client/server solution using PostgreSQL. It is intended primarily for developers who want to preserve investments made into an existing Xbase++ solution. Using the ISAM emulation of the PostgreSQL DatabaseEngine, existing Xbase++ solutions will gain higher reliability and scalability, without having to rewrite existing ISAM code. In addition, new code can use ISAM and SQL data access and manipulation methods depending on the specific requirements.

You will learn:

- What changes are required
- What prerequisites help make the transition easier
- Performance
- What to do with existing ISAM code and whether you will need to transform everything to SQL commands
- Which coding patterns to avoid in future implementations
- Strategies to make use of SQL in a step by step manner to gain performance

## VFP Report Writer Tips & Tricks

Solidifying VFP

**Presenter:** Cathy Knight

**Level:** All levels

**When:** Friday, October 19, 8:30 - 9:45, Elliott (R1)

Saturday, October 20, 3:30 - 4:45, Elliott (R2)

The VFP Report Writer is more powerful than most developers realize. In this session you'll learn all kinds of cool tips and tricks to help you create reports that WOW your clients. Things you thought were impossible in the Report Writer suddenly become clear after learning this medley of tips and tricks. This is a MUST SEE session for anyone creating VFP Reports.

You will learn:

- How to force Absolute Positioning on reports
- How to conditionally generate a Page Break anywhere in a report
- How to conditionally format objects on a report
- How to create multiple summary bands
- Much, much, more!!

Prerequisites: Familiarity with the VFP Report Writer

## VFP: Ideal for Tools

Solidifying VFP  
Extending VFP

**Presenter:** Tamar E. Granor

**Level:** Intermediate

**When:** Saturday, October 20, 8:30 - 9:45, Elliott (R1)  
Sunday, October 21, 10:00 - 11:15, Elliott (R2)

We've had developer tools written in the FoxPro language since the days of FoxPro 2.0. Quite a few come with VFP, and the community has built lots more. In this session, we'll explore the Visual FoxPro language features that make building developer tools possible. We'll look at how the VFP language allows you to dig into projects, classes, data and code. Examples will be drawn from a variety of VFP tools, including those in VFPX.

You will learn:

- About commands and functions that let you explore class libraries and code
- About commands and functions that let you explore databases
- About commands and functions that let you explore and manipulate projects

## Win32API for VFP Developers

Extending VFP

**Presenter:** Doug Hennig

**Level:** Beginner, Intermediate

**When:** Friday, October 19, 10:00 - 11:15, Flagstaff (R1)  
Saturday, October 20, 3:30 - 4:45, Flagstaff (R2)

The Windows API (Win32API) contains thousands of useful functions. However, finding which function to use when, and how to call it from a VFP application, can be challenging. This session discusses how API functions are called in VFP, where to find information on the API, and presents lots of useful API functions you can call in your VFP applications today.

You will learn:

- How to use the Win32API
- What useful file and folder functions you'll use every day
- How to detect a 64-bit operating system
- How to determine whether the application is running as administrator
- How to determine whether the application is already running
- How to lock ActiveX controls

## Windows 8, an Architecture for the Future

Deep Dive

**Presenter:** Steffen F. Pirsig

**Level:** Intermediate

**When:** Saturday, October 20, 2:00 - 3:15, Carefree

Although the session touches Metro as a new additional application interface under Windows 8, its main focus is on the main architectural changes Microsoft has incorporated into the upcoming Windows release. This will give

attendees a better understanding of the reasoning behind certain design decisions, and what these mean for the future of Windows as a platform and API in a world of different form factors and hardware platforms.

You will learn:

- How the changes in Windows 8 affect Xbase++ as a development tool
- What Windows 8 means for the API (Win32 vs. .Net vs. WinRT)
- Why Alaska Software approves of the changes made for Windows 8

Prerequisites: General knowledge about the Windows operating system and its ecosystem

## Xbase++ 2.0 from a VFP Developer's Perspective

PolarFox

**Presenter:** Steffen F. Pirsig

**Level:** Beginner

**When:** Saturday, October 20, 5:15 - 6:30, Carefree

In this session, I talk about my experiences employing Xbase++ 2.0 for modernizing an existing solution originally developed with Visual FoxPro. Among the topics covered is an overview of the obstacles encountered during the transition, such as the differences in LOCAL variable and macro management and those due to working with a compiler. I also talk about the post-migration performance of this application and about the benefits reaped by the transition to the new platform. This presentation is designed specifically for FoxPro developers that are interested in Xbase++ as their future development platform.

You will learn:

- About the original VFP application (aka the starting point)
- The obstacles and pitfalls encountered during the transition
- How working with a compiled language compares to working with an interpreted language
- About performance gains
- What the migrated Xbase++ application (aka the result) looks like

## Xbase++ 2.0: SQL for DBF Tables, Objects and Array

SQL Programming  
Solidifying Xbase++

**Presenter:** Steffen F. Pirsig

**Level:** Intermediate

**When:** Friday, October 19, 10:00 - 11:15, Bisbee

This presentation dives into the Universal SQL feature available with Xbase++ 2.0. Steffen outlines the advantages of converting existing logic to SQL, and how SQL can make the daily programming tasks easier and less error-prone. With Universal SQL, the declarative approach of query programming is extended to the programming language and data types, such as arrays or objects. Programming chores like searching for individual items in an array, merging arrays or calculating the intersection of two arrays of objects can now be solved with a single-line statement! With Universal SQL, the power of the relational theory becomes an integral part of the Xbase++ runtime, effectively allowing developers to write less code, make fewer mistakes and hence become instantly more productive.

You will learn:

- How the move to SQL affects performance
- The benefits of using SQL queries with objects and arrays
- How SQL impacts the programming effort and program maintenance
- When to use ISAM, when to use SQL and why is it a good idea to mix!

Prerequisites: Basic Xbase++ programming skills, basic knowledge about SQL

## Post-Conference Sessions

### An Afternoon of Modern Web Development

Technology

Post-Conference

**Presenter:** Stephen J. Bodnar

**Level:** Intermediate

**When:** Sunday, October 21, 2:00 - 5:00, Elliott

This session is designed to expose a "typical" web developer to the latest tools and techniques for developing modern, responsive, interactive websites that will run across multiple browsers and multiple devices.

We'll spend the afternoon using the latest technologies to deliver a robust website that will incorporate great usability and design across a variety of devices.

We'll hit all the buzz words along the way: HTML5, CSS3, LESS, Knockout.JS, Responsive Web Design, Media Queries, Viewports, Mobile Websites (we'll also talk about Mobile Applications), JavaScript, jQuery, Minimizing and Packaging, Persistent Connections, Debugging Tools, Widgets and more.

If time permits, we'll also look at Single Page Applications and building an API for your site.

This session will use Microsoft's Free Visual Web Developer Express, but at least 75% of the content will be just as meaningful outside the Microsoft stack.

You will learn:

- How to use important new aspects of HTML5 in conjunction with CSS and JavaScript
- Key concepts of Responsive Web Design and how they're used to make a single web page that works effectively across different browsers and devices
- The difference between mobile applications and mobile websites
- How to incorporate 3rd party controls to enhance the look and feel of your sites

Prerequisites: Decent comfort level with HTML and web site development in general.

## Introduction to REAL Studio for VFP Developers

Moving Forward  
Post-Conference

**Presenter:** Kevin J. Cully

**Level:** Beginner

**When:** Sunday, October 21, 2:00 - 5:00, Flagstaff

No development tool surpasses VFP in the ease of creating rich database applications on Windows. Real Studio comes close for ease of development compared with VFP. It does so for Windows, Mac, Linux desktop applications, plus has the ability to write Web 3.0 applications. The programming language of REAL Studio fits very well into the skill set of Visual Foxpro programmers and we'll show you how to get productive in a short period of time.

You will learn:

- How to get started with Real Studio application development
- How to compile your desktop applications for Windows, Mac and Linux
- How to handle the different platform exceptions
- How to access and consume data from a variety of sources
- How to create and consume threads within your applications
- How to implement the VFP class that brings many of your favorite commands into Real Studio
- How to convert your VFP forms to Real Studio using the VFPTORS project
- How to develop Web 3.0 applications in Real Studio
- What it takes to deploy your Real Studio web applications

Prerequisites: A general knowledge of Foxpro programming and application building techniques.

## Lessons from the School of Black and Blue

Post-Conference

**Presenter:** White Light Computing Staff

**Level:** Intermediate

**When:** Sunday, October 21, 2:00 - 5:00, Gilbert

You can read about techniques and best practices for different development languages, databases, platforms, and technical solutions, but the best teacher is real life experience. In this session, the staff of White Light Computing is going to share with you some real developer life lessons they have learned over the years while battling in the software development trenches. Each story comes with a solution that works.

Visual FoxPro developers have been spoiled over the last 15+ years by the Stonefield Database Toolkit when it comes to updating table structures and indexes. You are now working with SQL Server and have searched long and hard for a decent solution to match this functionality, but there are very few solutions available. Scripting all the changes works fine, but what happens if you have more than one server to update, or the DBA is not your friend? What if a migration goes bad and you need to revert to a prior version, but the users have already entered important data they don't want to throw away when you restore a backup?

Your ASP.NET site is in the hands of the testers and you are exasperated by all the "yellow screens of death" reported. What is a good alternative available to record errors and simplify the debugging process? We will show you how we have used one particular tool to help solve this issue with the MVC sites we have developed including the conference registration and evaluations site you used for this conference. Your customer is thrilled with the Web site you have developed for them and now this has spawned all kinds of terrific enhancement requests. One

of the problems you have is informing users when data changes because other users make purchases and the purchasing department resupplies stock. Your customer is requesting the Web site to auto-refresh when changes were made. You are wondering how much code you are going to have to write to accomplish this. It turns out there is an open source utility which simplifies this process in a big way.

Other topics for this session:

- Performance improvements for your Web site by packaging/minifying JavaScript and CSS
- SQL differences between Visual Fox Pro and SQL Server
- SQL Server T-SQL tricks and tips
- VFP Developer tools tricks and tips

The team at White Light has a broad set of skills and will leave time towards the end of the session for a bit of "stump the band" general questions from the audience as well.

# Speakers



## Menachem Bazian

Menachem Bazian, CPA, CITP is President and founder of BC Consulting Services, Inc, a Business Management and Technology Consulting Firm based in Northern NJ. Menachem has been a database developer for over 20 years, having starting out with Dbase II and moved on to Dbase III, Clipper, Foxbase and all the versions of Visual FoxPro to date. He returned to the Fox speaking circuit several years ago and has presented at Southwest Fox for several years. He has published numerous articles and books over the years.



## Stephen J. Bodnar

Steve Bodnar is the President of Geeks and Gurus, Inc., a software development company with offices in Detroit, MI, Williamsburg, VA and Madison, WI.

Steve started developing FoxPro applications with FoxPro for DOS 2.0. He actively develops VFP line of business applications as well as websites using Microsoft's ASP.NET MVC and jQuery. Steve was one of the founding members of the Detroit Area FoxPro Users Group and has attended Fox conferences as often as possible since the early 1990's.

Steve has spoken at VFP conferences and user groups in Detroit, Grand Rapids, Kansas City, Toledo, Milwaukee, Sacramento and Atlanta. He's also spoken at .NET user groups, Code Camps and conferences in Grand Rapids, Raleigh, Richmond, Roanoke, Northern Virginia, Chattanooga, Philadelphia and Knoxville.

Geeks and Gurus develops line of business applications and websites for small and medium sized organizations. We deliver solutions based on Microsoft technologies such as Visual FoxPro, SQL Server and .NET.

Steve can be contacted at [sjbodnar@geeksandgurus.com](mailto:sjbodnar@geeksandgurus.com). You can learn more about Steve and Geek and Gurus at <http://www.geeksandgurus.com>.



## Rick Borup

Rick Borup is owner and president of Information Technology Associates, a professional software development, computer services, and information systems consulting firm he founded in 1993. Rick earned BS and MBA degrees from the University of Illinois and spent several years developing software applications for mainframe computers before turning to PC database development tools in the late 1980s. He began working with FoxPro in 1991, and has worked full time in FoxPro and Visual FoxPro since 1993. He is a co-author of the books *Deploying Visual FoxPro Solutions* and *Visual FoxPro Best Practices For The Next Ten Years*. He has written articles for *FoxTalk* and *FoxPro Advisor*, and is a frequent speaker at Visual FoxPro conferences and user groups. Rick is a Microsoft Certified Solution Developer (MCSD) and a Microsoft Certified Professional (MCP) in Visual FoxPro.



### Kevin J. Cully

[Kevin Cully](#) is owner of [CULLY Technologies, LLC](#), which designs websites, creates database applications, conducts training and presentations. CULLY Technologies, LLC has been in existence since 2000, and since that time, Kevin has concentrated on building web sites, web applications, and desktop business applications in a variety of commercial industries.



### Roger Donnay

Roger Donnay is the owner of Donnay Software Designs, a Boise, Idaho firm specializing in programming and consulting in the Xbase++ language. Roger started using xBase languages in 1982 with dBASE II. His product, dCLIP, was voted "Best Clipper Add-on" by readers of Database Advisor magazine. Roger has 12 years of experience with Xbase++ and developed the product eXpress++, a library designed specifically for Clipper-developers to leverage their knowledge of xBase dialects in a way that eases the transition from text-based to GUI. Xbase++/eXpress++ applications are now in use by thousands of end-users in the USA and Europe. Roger has been speaking at Clipper- and Xbase++ -Developer Conferences around the world since 1988.



### Jim Graham

Jim Graham is Principle, Professional Teledata, in Manchester, New Hampshire. Professional Teledata develops a turnkey Call Center platform including software, servers, LAN, faxing and telephone switch. Jim has been developing software since graduating with a degree in Business Management in 1985. He also holds a Masters in Computer Information Systems.



### Tamar E. Granor

Tamar E. Granor, Ph.D., is the owner of Tomorrow's Solutions, LLC. She has developed and enhanced numerous Visual FoxPro applications for businesses and other organizations.

Tamar served as Editor of *FoxPro Advisor* magazine from 1994 to 2000 and was Technical Editor from 2000 to 2008. She served as co-author of the popular Advisor Answers column from 1993 to 2008. She has also written for *FoxTalk* and *CoDe*; she currently writes for [FoxRockX](#).

Tamar is author or co-author of more than ten books including the award winning *Hacker's Guide to Visual FoxPro* and *Microsoft Office Automation with Visual FoxPro*. Her most recent books are *VFPX: Open Source Treasure for the VFP Developer* (to be published in 2012) and *Making Sense of Sedna and SP2*. Her books are available from [Hentzenwerke Publishing](#).

Tamar is one of the organizers of the annual Southwest Fox conference and founder of the Philadelphia Visual FoxPro User Group. In 2007, she received the Visual FoxPro Community Lifetime Achievement Award. She received Microsoft Support's Most Valuable Professional award annually from the program's inception in 1993 through 2010. Tamar speaks frequently about Visual FoxPro at conferences and user groups in North America and Europe.

You can reach her at [tamar@tamargranor.com](mailto:tamar@tamargranor.com) or through [www.tomorrowssolutionsllc.com](http://www.tomorrowssolutionsllc.com).



## Frank Grossheinrich

Frank Grossheinrich is 49 years old. He studied social work and finished with a degree. During his work in a children's home he started programming with Basic, came to Turbo Pascal, then met C/C++ but finally ended up with Clipper, which became his preferred programming language.

In the mid 90's Frank joined Alaska Software as head of the Xbase++ technical support department, where he quickly became known under his nickname "Frank++". He also made an appearance in numerous online media and developers conferences.

In 2003 Frank left Alaska Software to become a Project Manager at a market research company, where he worked on Business Intelligence projects within the automotive industry. During this time he became familiar with SQL, Data Integration Services and OLAP technologies. Since 2010 Frank earns his living as an IT freelancer. He uses various development tools and technologies in his projects, including Xbase++ and Visual FoxPro.



## Doug Hennig

Doug Hennig is a partner with Stonefield Software Inc. He is the author of the award-winning Stonefield Database Toolkit (SDT); the award-winning Stonefield Query; the MemberData Editor, Anchor Editor, and CursorAdapter and DataEnvironment builders that come with Microsoft Visual FoxPro; and the My namespace and updated Upsizing Wizard in Sedna.

Doug is co-author of *VFPX: Open Source Treasure for the VFP Developer*, *Making Sense of Sedna and SP2*, *Visual FoxPro Best Practices For The Next Ten Years*, the *What's New in Visual FoxPro* series, and *The Hacker's Guide to Visual FoxPro 7.0*. He was the technical editor of *The Hacker's Guide to Visual FoxPro 6.0* and *The Fundamentals*. All of these books are from Hentzenwerke Publishing (<http://www.hentzenwerke.com>). Doug wrote over 100 articles in 10 years for *FoxTalk* and has written numerous articles in *FoxPro Advisor*, *Advisor Guide to Visual FoxPro*, and *CoDe*. He currently writes for *FoxRockX* (<http://www.foxrockx.com>).

He has spoken at every Microsoft FoxPro Developers Conference (DevCon) starting in 1997 and at user groups and developer conferences all over the world. He is one of the organizers of the annual Southwest Fox conference (<http://www.swfox.net>). He is one of the administrators for the VFPX VFP community extensions Web site (<http://vfp.codeplex.com>). He was a Microsoft Most Valuable Professional (MVP) from 1996 through 2011. Doug was awarded the 2006 FoxPro Community Lifetime Achievement Award (<http://tinyurl.com/6po3pwv>).

Web: <http://www.stonefieldquery.com> Blog: <http://doughennig.blogspot.com>



## Andreas Herdt

Andreas Herdt was born in 1970 and finalized his academic high school in 1990. His first contact with computer hardware was a Commodore C64 in the age of 15. However, the first contact with software was on an Apple IIe in a training course of information science. A turtle was to be moved in an area strewn with obstacles.

After he finalized his academic high school diploma, Andreas started as trainee for Air Traffic

Control in Frankfurt, Germany. In 1995 he accommodated his passion for hardware and software. He studied Computer Science from the Information Science Polytechnic at Darmstadt where he focused on color electronic page setting and simulation technology. Andreas Herdt graduated in 2000 with a Master's degree. His thesis was about quality assurance for GUI applications. An internship brought him to Alaska Software where he got in touch with the Web Application Adaptor (WAA). Since then he constantly developed his appetite for more leading finally him to work for Alaska Software.

Today Andreas benefits from the experiences and passion - among other areas - algorithms in improving the Xbase++ Runtime environment. He is involved in research on multi-core scalability and transactional memory.



### **Clayton Jones**

Clayton Jones lives in Florida, works as an independent applications developer, and provides personal programming training in Xbase++. He began programming in 1989 using Clipper. Clayton is also the author of the Xbase++ add-on products Top-Down Library, X-DBU, X-Memo and Spell-X.

He has been a speaker at Xbase++ Developer Conferences in Europe and the U.S. since 1999.



### **Cathy Knight**

Cathy (Pountney) Knight has been developing software for three decades and is proud to have earned the Microsoft Visual FoxPro MVP Award eight years in a row. She is equally proud to have had the opportunity to work as a subcontractor onsite in Redmond with the Microsoft Fox Team in 2001. Cathy enjoys writing articles for various Fox magazines as well as writing books. She authored "*The Visual FoxPro Report Writer: Pushing it to the Limit and Beyond*" and co-authored "*Visual FoxPro Best Practices for the Next Ten Years*" and "*Making the Most of Sedna and SP2*". Cathy participates in her local FoxPro user group (GRAFUG) and speaks at other user groups when time permits. She has spoken at numerous conferences including GLGDW, Essential Fox, Advisor DevCon, DevTeach, German DevCon, and of course, her favorite, Southwest Fox. For the past several years, Cathy has worked for Memorial Business Systems writing software for the cemetery and funeral home industry which proves ... Fox is NOT dead!

Email: [cathy@frontier2000.com](mailto:cathy@frontier2000.com) Blog: [www.cathypountney.blogspot.com](http://www.cathypountney.blogspot.com) Personal: [www.frontier2000.com](http://www.frontier2000.com) Business: [www.mbs-intl.com](http://www.mbs-intl.com)



### **Jennifer Marsman**

Jennifer Marsman is a Principal Developer Evangelist in Microsoft's Developer and Platform Evangelism group, where she educates developers on Microsoft's new technologies. In this role, Jennifer is a frequent speaker at software development conferences across the United States. In 2009, Jennifer was chosen as "Techie whose innovation will have the biggest impact" by X-OLGY for her work with GiveCamps, a weekend-long event where developers code for charity. She has also received many honors from Microsoft, including the Central Region Top Contributor Award, Heartland District Top Contributor Award, DPE Community Evangelist Award, CPE Champion Award, MSUS Diversity & Inclusion Award, and Gold Club.

Prior to becoming a Developer Evangelist, Jennifer was a software developer in Microsoft's Natural Interactive Services division. In this role, she earned two patents for her work in search and data mining algorithms. Jennifer has also held positions with Ford Motor Company, National Instruments, and Soar Technology. Jennifer holds a Bachelor's Degree in Computer Engineering and Master's Degree in Computer Science and Engineering from the University of Michigan in Ann Arbor. Her graduate work specialized in artificial intelligence and computational theory. Jennifer blogs at <http://blogs.msdn.com/jennifer> and tweets at <http://twitter.com/jennifermarsman>.



### **Kevin McNeish**

Kevin McNeish is President and Chief Software Architect of [Oak Leaf Enterprises, Inc.](http://www.oakleafsd.com), and an eight-time recipient of the Microsoft .NET MVP Award. He is a well-known .NET and iOS speaker and trainer throughout North America and Europe including DevConnections, VSLive!, DevTeach, SDC Netherlands, Advisor DevCon, as well as numerous Code Camps and Boot Camps. He is author of the upcoming book [iPhone and iPad App Development for Everyone](#), co-author of the book "Professional UML with Visual Studio .NET", author of the book ".NET for Visual FoxPro Developers", as well as many software development magazine articles. He has also been interviewed multiple times on the .NET Rocks! Internet Radio Show. He is the Chief Software Architect of the MM .NET Framework as well as the upcoming MMiOS Framework. e-mail: kevinm@oakleafsd.com, Web: [www.oakleafsd.com](http://www.oakleafsd.com). Phone: 434-979-2417



### **Rod Paddock**

Rod Paddock founded Dash Point Software, Inc. in 2001 to develop high quality custom software solutions. With over 20+ years, Rod's current and past clients include: Six Flags, First Premier Bank, Microsoft, Calamos Investments, The US Coast Guard and US Navy. Along with developing software, Rod is a well-known author and conference speaker. Beginning in 1995, Rod has given talks, training sessions and keynotes in The United States, Canada and Europe. Rod has been Editor in Chief of Code Magazine since 2001. Rod's web site is [www.dashpoint.com](http://www.dashpoint.com).



### **Steffen F. Pirsig**

Steffen F. Pirsig holds the position as Chief Architect since having started out with the first design and implementation of Xbase++ in Oct. 1994. He also is a co-founder of Alaska Software and President of Alaska Software, Inc.

As a frequent speaker at various developer conferences as well as at universities, Steffen manages to combine his passion for database management systems, distributed computing and of course Xbase++, with his love for engaging into shop talks and in-depth discussions while presenting his ideas and visions to an interested audience.

Steffen enjoys good vines, hiking, bicycling and music of independent labels. He also likes to fly rc-planes in his spare time.



## Rick Schummer

Rick Schummer is the president and lead geek at White Light Computing, Inc., headquartered in southeast Michigan, USA where the team guides the customer's Information Technology investment toward success. He enjoys working with top-notch developers, thrives on the mode of continuous learning, has a passion for developing software using best practices, strives to surpass customer expectations, and shares his knowledge with others whenever he can. After hours you might find him creating developer tools that improve developer productivity, or writing articles for his favorite technology journals and his blog.

Rick is a co-author of *VFPX: Open Source Treasure for the VFP Developer*, *Making Sense of Sedna and SP2*, *Visual FoxPro Best Practices for the Next Ten Years*, *What's New In Nine: Visual FoxPro's Latest Hits*, *Deploying Visual FoxPro Solutions*, *MegaFox: 1002 Things You Wanted To Know About Extending Visual FoxPro*, and *1001 Things You Always Wanted to Know About Visual FoxPro*. He is regular presenter at user groups across North America and is founding member and Secretary of the Detroit Area Fox User Group (DAFUG). Rick is the lead organizer of the Southwest Fox Conference, and is a regular presenter at other conferences in North America, Europe, and Australia. He is an administrator of VFPX, and a Microsoft Visual FoxPro MVP from 2002 to 2011. Rick was awarded the FoxPro Lifetime Achievement Award in October 2010.

You can contact Rick via email at [raschummer@whitelightcomputing.com](mailto:raschummer@whitelightcomputing.com) or via his company Web site: [White Light Computing, Inc.](http://WhiteLightComputing.com). Read more of his thoughts on Visual FoxPro and software development in his blog: [Shedding Some Light](#).



## Eric J. Selje

Eric Selje is a software developer in Madison, WI. He has been programming in Fox since FoxBase 1.21 in 1986 and recalls eagerly waiting for the box from UPS with "FoxPro". In 1995 he founded MadFox, the Madison FoxPro User Group, after attending DevCon in San Diego and realizing that learning Visual FoxPro 3 would take a group effort.

Eric is part of the Geeks and Gurus team, developing business applications for the desktop, web, and most recently mobile devices with an emphasis on database-driven applications. He is also co-author of *VFPX: Open Source Treasure for the VFP Developer*.

When he's not planted in front of a screen, Eric can often be found on the Ultimate field, the baseball diamond, solving crosswords, or with his face in a book.



## Rick Strahl

Rick Strahl is president of West Wind Technologies on Maui, Hawaii. The company specializes in Web and distributed application development, training and tools with focus on ASP.NET, .NET and Visual FoxPro. Among the tools created and sold by Rick's company are West Wind Html Help Builder, West Wind Web Store, Web Monitor and Web Connection. Rick has been working with Microsoft technology close to 20 years, is an ASP.NET Insider, a frequent contributor to magazines and books and speaks frequently at professional developer conferences all over the world. He is also co-publisher of CoDe magazine. For more information please visit: [www.west-wind.com](http://www.west-wind.com), contact Rick at [rstrahl@west-wind.com](mailto:rstrahl@west-wind.com) or check out his WebLog at [www.west-wind.com/weblog/](http://www.west-wind.com/weblog/).



## **Tuvia Vinitsky**

Tuvia Vinitsky is a principal in Vinitsky Consulting Inc. VCI develops and markets major vertical applications for non-profit organizations and community centers (JCC, YMCA). They also provide custom software and website development.

Tuvia's Fox experience dates back to the days of FoxBase and Compuserve. He has written for FoxTalk and has been a presenter numerous times at regional users' groups. Tuvia has always enjoyed expanding the capabilities of Foxpro, whether it was graphic printer drivers in the days of DOS or Web enabling the latest VFP 9 features.

Tuvia believes in having both breadth and depth of experience. He has served as project leader for many large projects, including projects at companies like Avis-Rent-a-Car, Chicago Board of Trade, Marmon Group and Lotus.

Tuvia and his family are long time Chicago residents. He attended Northwestern University, and is an ordained Rabbi. His years at Northwestern, with its reputation for the performing arts, must have left a mark—not only is he known for his popular presentations on software development, but he frequently is a guest speaker on Jewish philosophy and teachings.



## **Till Warweg**

Till graduated with a Master's degree in Computer Science from the Information Science Polytechnic in Frankfurt/Main.

In 1997, Till joined Alaska Software straight from college. His primary project was the development of Xbase++ for the Windows platform. Soon thereafter, he assumed responsibilities in maintaining and enhancing Xbase++'s user interface functionalities. His special interest, and maybe therefore his strong suit are the Graphics Engine and the component library built into Xbase++ (Xbase Parts). Till is also involved in various other areas of product development at Alaska Software. For example, he is a key member in the "PolarFox" project team.

Till is a frequent speaker on various developers conferences and other events surrounding Xbase++, both in Europe and in the US. Apart from his interest in computing, Till enjoys riding his motorcycle, exercising, and reading a good book.



## **Christof Wollenhaupt**

Christof Wollenhaupt, head at Foxpert, offers FoxPro and .NET development and consulting services to customers who benefit from his nearly 20 years of experience. Christof is a regular speaker at conferences and user groups around the world, organizes the Hamburger Stammtisch für Microsoft Datenbankentwickler (Hamburg user group for Microsoft database developers), has written for various magazines including a regular column in FoxPro Advisor for more than 10 years, and was a Visual FoxPro MVP from 1997 to 2010. Foxpert offers multiple products, including Active FoxPro Pages, Guineu and PC-AS. For more information please visit <http://www.foxpert.com> or send an e-mail to [christof.wollenhaupt@foxpert.com](mailto:christof.wollenhaupt@foxpert.com).

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Tomorrow's Solutions, LLC is owned and operated by Tamar E. Granor, Ph.D., a consultant and application developer specializing in database applications. Since 1988, Tamar has been working primarily with Visual FoxPro and its predecessors, FoxPro and FoxBase+. She has worked with both large and small businesses as well as non-profit organizations. Currently, the primary focus of Tomorrow's Solutions is working with and for other developers through sub-contracting and mentoring. <http://www.tomorrowssolutionsllc.com>



Founded in 1997 with HQ in Grand Junction, CO, New York City, NY, and in the metropolitan area of Frankfurt/Main, Germany, Alaska Software solely concentrates upon the development and improvement of Xbase++ as a technology platform. Xbase++ is a 100% Clipper compatible xbase language enriched and improved by language features, such as object-orientation and data persistence.

Alaska Software pioneered in the implementation and hands-on usage of intelligent multi-threading technology in Xbase++,

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[http://www.visualextend.com/visualextend\\_en/default.htm](http://www.visualextend.com/visualextend_en/default.htm).



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Please visit the [Geeks and Gurus website](#) for more information on how we can help you with Visual FoxPro or .NET software development projects. You can also learn more about the *Conferences* side of our business.



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<http://www.dbi-tech.com>.



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The *Foxfire!* Report Writer v8+ product line is a family of data mining tools designed for regular business users. Developers can adapt it to almost any database and add any needed features on demand, in order to fit user needs like a glove. It is the only set of report writers for the VFP environment that can operate interchangeably on both platforms. Its new interactive drag-'n-drop design tool (released May 2007) has been praised by users and usability experts alike for simplicity without sacrificing power. Micromega Systems, its developer/publisher offers *Foxfire!* consulting, integration, and training services. Our growth strategy is *partnering*, and we are currently seeking other developers who want to partner to create custom or localized versions to address special market opportunities. Go to [www.foxfirereporting.com](http://www.foxfirereporting.com) to explore how we might work together.



Les Pinter bought copy number 252 of FoxBASE, and used it to build his first app for his new client, LucasFilm. Within two years he had launched the Pinter FoxBASE Letter, which became the Pinter FoxPro Letter a year later. During the next nine years, Les wrote and published hundreds of articles about FoxPro. He also wrote the OpEd column, first for FoxTalk, then for Universal Thread Magazine.

Eventually the handwriting on the wall led us to rechristen the newsletter Les Pinter's Database Journal, and to include articles about Visual Basic, C#, and migration of FoxPro applications to .NET. A book followed: "Visual FoxPro to Visual Basic.NET", published by Sams Publishing. For the last 7 years, Pinter Consulting has specialized in converting FoxPro applications to .NET, sometimes in VB, but more recently in C#. We use Windows Presentation Foundation and the Model-View-ViewModel paradigm, which is a perfect fit for WPF.

WPF is the reason to rewrite a FoxPro application into C#. It permits a kind of User Experience that is just not possible with WinForms apps, so you can deliver, not just a C# translation of your app, but a new and more visually interesting product. And C# programmers are readily available, which is (unfortunately) something that can't always be said for our breed. Breathe new life into your app and give it a face lift. Your users will be impressed.

As for our competitive advantage, we have programmers in several countries who collaborate with us in our conversions. We do the on-site analysis and specification, and then farm the coding out to our experienced colleagues (some of them Microsoft MVPs) in Mexico, Brazil, Argentina and Russia. As a result, we are always able to underbid our competitors. Where our programmers live, a nice house in a nice neighborhood costs \$50,000.

MVVM allows us to use unit testing with NUnit. We have three levels

of Quality Control before we hand over code. We use a web-based code repository, so our customers get their hands on code within minutes after it's been through QC. Program exceptions are automatically reported to the responsible programmer. Users can click on a "Send a note to the developer" button on any screen during the development process, and their questions or comments are passed along to the responsible coder instantly. You couldn't get faster feedback if the users were sitting beside the programmers.

If you have a FoxPro application that needs to be converted to .NET, give us a call. We'll make you an offer you can't refuse. See [Pinter.com](http://Pinter.com) for details.

## Room Sponsors



Telerik's mission is to make software development easier and more enjoyable. Our tools for agile project management, collaboration, development and testing allow companies of all sizes to create richer, more stable and aesthetic software faster than ever before. Trusted by over 100,000 customers worldwide for our devotion to quality and customer care, Telerik helps technical and business professionals maximize their productivity and "deliver more than expected" every day. As true craftsmen, we don't believe in compromises and our goal is to only release tools that we can be proud of. <http://www.telerik.com>

## Bronze Sponsors



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Steema Software is a privately held company founded in 1996 and has been providing software tools for application developers ever since. Steema authors, distributes and supports all its products. Steema's flagship product, the TeeChart Charting Library, is widely acknowledged as an industry standard. <http://www.steema.com>



Scooter Software's product Beyond Compare allows you to quickly and easily compare your files and folders. By using simple, powerful commands you can focus on the differences you're interested in and ignore those you're not. You can then merge the changes, synchronize your files, and generate reports for your records. <http://www.scootersoftware.com>



Pluralsight provides high-quality training solutions for Microsoft .NET developers that can fit any schedule or budget. The revolutionary [Pluralsight On-Demand!](#) training library provides developers with instant access to a rich collection of online training courses delivered by industry authorities. See what you can learn at [pluralsight.com](http://pluralsight.com) and join the [@pluralsight](#) community on Twitter.



AKSEL, headed by Andrew MacNeill, is a consulting company that provides development, technical writing, media development (podcasting/screencasting), data analysis and project management services around the world. From short-term writing and analysis projects to long-term development and product management projects to community-driven projects, AKSEL offers personalized solutions to businesses and individuals, creating an ongoing working relationship. For more information, visit [www.aksel.com](http://www.aksel.com).



Brought to you by EPS Software and several partner organizations, VFPConversion.com is a portal that contains various resources (Articles, Blogs, Tools, Training) to support the FoxPro and VFP communities. VFPConversion.com provides valuable information for developers looking to enhance their Visual FoxPro applications by adding the latest technologies available from Microsoft, or if desired, for converting applications from FoxPro to the Microsoft .NET platform. Visual FoxPro is a powerful and flexible tool that's used for many mission-critical applications, however many companies (due to Microsoft's "end of life" announcement) running VFP are currently faced with the need to migrate and don't know where to turn for advice. This portal gives developers a place to get help and strategies for their migration needs. <http://www.VFPConversion.com>.

## Consultant Sponsors



A company of integrity and quality, Oak Leaf Enterprises, Inc. is home of the MM .NET Framework for Microsoft's .NET Platform and MMiOS Framework for Apple's iOS Platform. Oak Leaf also offers training, mentoring, and programming services world wide, backed by over 25 years of experience in the software development. Our development philosophy demonstrates our dedication to serving our clients by keeping you involved and informed. <http://www.oakleafsd.com/>

# User Groups

Joining a user group is a great way to meet other FoxPro developers, learn more about your favorite tool, find out about other tools and techniques, and maybe even develop your own speaking skills. The following information was provided by the individual user groups as a service to Southwest Fox attendees.



## Atlanta FoxPro Users Group

[www.afug.com](http://www.afug.com)

President: Russell Campbell ([president@afug.com](mailto:president@afug.com))

AFUG is committed to increasing the knowledge level and skills of our members in a fun, informative, and social environment.



## Bay Area Association of Database Developers - Visual FoxPro Developer Group

[www.baadd.org](http://www.baadd.org)

VFP Group Leader: Margaret Duddy ([mmd@outformations.com](mailto:mmd@outformations.com))

The BAADD is dedicated to the support of the software developer community in the San Francisco Bay Area, providing peer support across multiple interest groups in a face to face forum. We cater to developers of all levels of expertise and skill sets, fostering an environment that helps developers discuss and learn about their development platform of choice, how movements in the industry will impact them professionally and how to leverage their skills to meet the challenges they present.

## Chicago FoxPro Users and Developers Group

### Chicago FoxPro Users & Developers Group

<http://chicagofudg.com>

Contact: Bill Drew ([bill.drew@sbcglobal.net](mailto:bill.drew@sbcglobal.net))

The Chicago FoxPro Users & Developers Group has a history of over 20 years of providing a focus for promotion of our members. We see to our own continuing education, our professional best interests, and our fellowship. We

meet every 2nd Tuesday without fail. The only cancelled meetings in the past decade have been waist-high snowfalls and September 11, 2001. We currently have a regular core of about 15. In addition there are a few dozen less frequently participating programmers. Because of the central location of Chicago in the midwest and the nation, we are able to feature speakers who happen to be here on business or for pleasure. These drop ins combined with trainers and promoters who are in travelling distance combined with our own knowledgeable members make for a very interesting syllabus of monthly meetings. Our events are supplemented with pizza, tall tales, puzzles, questions, and good humor. Visit [chicagofudg.com](http://chicagofudg.com) or drop in.



### **Detroit Area Fox User Group**

[dafug.org](http://dafug.org)

President: Dale Zimmer

Secretary/Treasurer: Rick Schummer

DAFUG meets on the second or third Thursday of every month to discuss FoxPro and developer related topics. The group was formed back in 1994 with the goal of sharing knowledge, inspiring ideas, and teaching each other about FoxPro and Visual FoxPro (VFP). Although all subjects are open to members discretion, DAFUG strives to schedule noteworthy speakers to present subjects in their area of expertise. It is not uncommon to find speakers rehearsing conference sessions at our meetings. DAFUG meetings serve as ideal networking opportunities for FoxPro and Visual FoxPro (VFP) software development professionals and amateurs alike. Problem solving, exploratory discussions, job opportunities and more. You can find future meeting dates, planned topics, directions to our meeting location, and email contacts for the leaders on our Web site.



### **Grand Rapids Area FoxPro User Group**

[www.grafug.com](http://www.grafug.com)

President: Jody Meyer ([info@grafug.com](mailto:info@grafug.com))

GRAFUG consists of FoxPro software developers who want to network with each other to share information, knowledge, ideas, discoveries, tips, tricks and war stories. We welcome all levels of users and developers from beginner to expert. Our members develop in the various different versions of FoxPro from older DOS and Windows

versions to the newer Visual FoxPro versions. Everyone's welcome! You don't have to be a member to come to a meeting. So please join us at our next meeting and we'll make sure you feel right at home.



#### **Los Angeles Visual FoxPro Developers Group**

[www.lafox.org](http://www.lafox.org)

President: Bill Anderson ([lafox@andersonfiles.com](mailto:lafox@andersonfiles.com))

The purpose of LA Fox is information sharing among application developers and users working with FoxPro. LA Fox is the oldest FoxPro developer's group in Southern California.



#### **Madison FoxPro Users Group**

[www.MadFox.info](http://www.MadFox.info)

Contact: Eric Selje ([info@MadFox.info](mailto:info@MadFox.info))

MadFox is the FoxPro Users Group for southern Wisconsin, based in Madison. Since 1995, we've met on the 3rd Tuesday of the month for discussions about all sorts of topics, many of which are actually related to programming. All are welcome to join. Come to our website for more information.

#### **Philadelphia VFP User Group**

[vfpphilly.blogspot.com](http://vfpphilly.blogspot.com)

Contact: Tamar Granor ([tamar@tamargranor.com](mailto:tamar@tamargranor.com)) or James Connolly ([JConnolly@jtca.com](mailto:JConnolly@jtca.com))

The Philadelphia VFP User Group, formed in 2005, meets monthly on the second Tuesday in Fort Washington, PA. Our meetings feature a mix of internationally known VFP experts and our own members, sharing their VFP knowledge. The meeting fee is \$5 and anyone is welcome. Full meeting information (including meeting location) is available at [vfpphilly.blogspot.com](http://vfpphilly.blogspot.com). To join our email list, sent an email to [tamar@tamargranor.com](mailto:tamar@tamargranor.com). If you'd like to speak to the group, contact [JConnolly@jtca.com](mailto:JConnolly@jtca.com).

# Online Communities

Online communities are a great way to get answers to your development questions, chat about the latest current events, and get to know other VFP developers from around the world. Here's a list of most of the VFP-related online communities.

dFPUG Portal



<http://forum.dfpug.de/>

FoxForum



<http://foxforum.com/>

Foxite



<http://www.foxite.com/>

MSDN Forums



<http://social.msdn.microsoft.com/Forums/en-US/visualfoxprogeneral/threads>

Portal Fox



<http://www.portalfox.com/>

ProFox

<http://leafe.com/lists>

Tek-Tips



<http://www.tek-tips.com/threadminder.cfm?pid=184>  
<http://www.tek-tips.com/threadminder.cfm?pid=182>

Universal Thread



<http://universalthread.com/>

VFPX



<http://vfp.codeplex.com>

Virtual FoxPro User  
Group



<http://www.vfug.org/>

Visual FoxPro Wiki



<http://fox.wikis.com/>

# Blogs

Many VFP developers have blogs where they post cool ideas, solutions to problems, and code. Some blogs are listed here, but please see the BlogWatch page on the FoxWiki (<http://tinyurl.com/9hnmx95>) for a complete listing.

Anderson, Bill	<a href="http://socaltomatoes.blogspot.com">http://socaltomatoes.blogspot.com</a>
Borup, Rick	<a href="http://rickborup.blogspot.com">http://rickborup.blogspot.com</a>
Hennig, Doug	<a href="http://doughennig.blogspot.com">http://doughennig.blogspot.com</a>
Knight, Cathy	<a href="http://www.cathypountney.blogspot.com">http://www.cathypountney.blogspot.com</a>
Mrozowski, Paul	<a href="http://www.rcs-solutions.com/blog">http://www.rcs-solutions.com/blog</a>
Perez, Frank	<a href="http://pfsolutions-mi.com/blog">http://pfsolutions-mi.com/blog</a>
Schummer, Rick	<a href="http://rickschummer.com/blog2">http://rickschummer.com/blog2</a>
Slay, Matt	<a href="http://www.mattslay.com">http://www.mattslay.com</a>
Tanganan, Jun	<a href="http://sandstorm36.blogspot.com/">http://sandstorm36.blogspot.com/</a>

# Twitter

Twitter is a great way to stay in touch with friends, colleagues, people you're interested in, etc. See the Who's Coming page (<http://www.swfox.net/whoscoming.aspx>) for the IDs of some of the people attending the conferences. See <http://fox.wikis.com/wc.dll?Wiki~TwitterGallery~People> for more VFP-related people. In addition, be sure to follow the Southwest Conference, Twitter IDs SWFox and SWXbase. Search for hash tags #SWFox and #SWXbase



Aleshin, Mike	maleshin
Anderson, Bill	billand88
Bean, Rick	RGBean
Berry, Prentiss	prentissberry
Bodnar, Steve	SteveBodnar
Borup, Rick	rickborup
Cully, Kevin	kevincully
Gajinovic, Slobodan	SGajinovic
Godfrey, Randy	kabaret_randy
Granor, Tamar E.	TamarGranor
Hennig, Doug	DougHennig
Hogan, Michael	michael_hogan
Johnson, Steve	SJOhnson
Kendrick, June	GreenGiant49
Knight, Cathy	frontier2000
Krzystek, Walt	wkrzystek
Landrum, Todd	paladintodd
Lauer, Daniel	storePorterDan
Leach, Joel	Joel_Leach
Meyer, Jody	JodyMeyer
Mrozowski, Paul	paulmrozowski
Obretenov, Dimiter	DimiterO
Olson, Matthew	matthewjonolson
Paddock, Rod	rodpaddock
Peisch, Barbara	barbpeisch
Perez, Frank	FrankPerezJr
Pilon, Mary	mary_pilon
Reynolds, Michael	Urantian
Schummer, Rick	rschummer

Selje, Eric	EricSelje
Sherwood, Phil	psherwood
Slay, Matt	mattslay
Strahl, Rick	rickstrahl
Torres, Nestor	nestor_guido
Violet, Stacy	Stacy_MV
Wollenhaupt, Christof	cwollenhaupt



# Advantage Database Server 11 is here.

Don't convert your data. Extend your FoxPro application's life with Advantage Database Server 11

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Advantage Database Server® natively supports the DBF data format and FoxPro 9 data types. Extend your existing FoxPro application to provide concurrent data access from any device on any platform including iPhone®, Android, and Windows Phone 7 mobile devices. No data conversion and no changes to your existing FoxPro application.

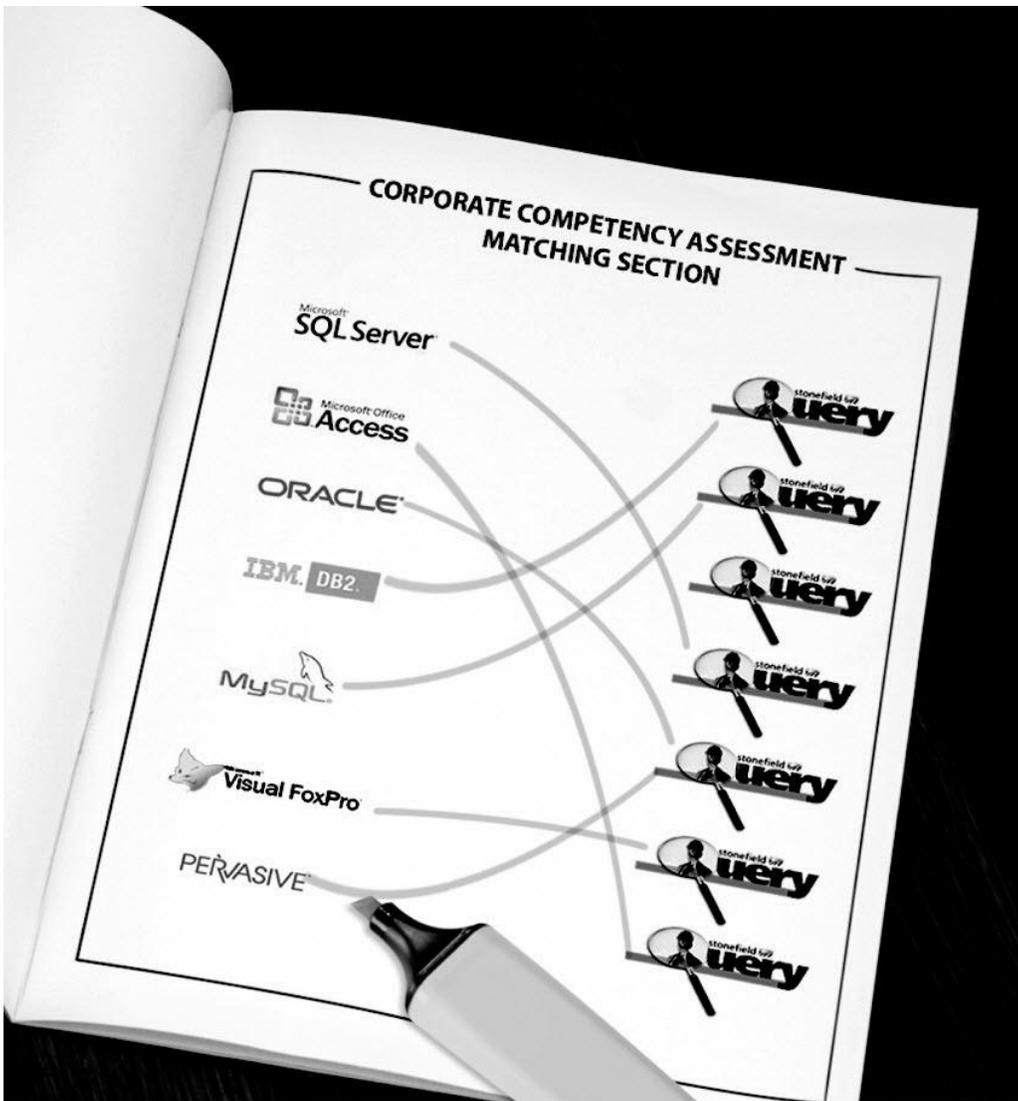
**Plus gain these benefits too:**

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Stop by our booth for a free development license and to see mobile access demonstrations!



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## Stonefield Query. A Perfect Match.

Create a user-friendly data mining, query, and reporting solution for nearly any type of data.

Get the information into the hands of the people who need it most.

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[www.stonefieldquery.com](http://www.stonefieldquery.com)

## How can White Light Computing help you?

White Light Computing specializes in extending development capabilities, expanding resources on projects, and helping you to come up to speed on technology you need to implement today. We offer tools, one-on-one mentoring, solid and successful project management, strong testing skills, quick debugging, and guide application deployment to production environments. White Light Computing brings professional experience and expertise to your team.

### ✓ Developer Tools and Resources

We have two successful commercial products called HackCX Professional and ViewEditor Professional. HackCX Professional is a safer and better editor than the BROWSE window when hacking your forms and visual class libraries. ViewEditor Professional is a replacement for the VFP View Designer providing support for local views, remote views, remote data stored procedures, and provides the ability to script complex views to a program. Our *VFP Programming Standards and Guidelines* document, a set of free developer tools, and our commercial line are in use by companies around the world.

### ✓ Mentoring and Training

We can provide classroom style training for several of your employees, or perform one-on-one problem solving. Our geeks can help you and your team learn about the various aspects of computing and software development, and different aspects of Visual FoxPro. Our lead geek, Rick Schummer has trained and mentored developers for more than 15 years in programming FoxPro and Visual FoxPro. He has trained end-users for more than 25 years in everything from working with the operating system, backups, using Microsoft Office and other productivity programs. Some of the training is formal, and some is very informal. We can do customizing training for your needs.

### ✓ Data Conversions

Our team of developers converts data to and from different data sources for custom and vertical market applications. Data conversion is often tedious work with a host of challenges that bog down your development staff when they need to be focusing on delivering the core application. Our data scrubbing techniques, attention to detail, and ability to move large volumes of data between systems have a proven track record of success with end-users who rely on this information to run their business.

### ✓ Software Testing

The key to successful acceptance of your application by your customers is making sure it meets the documented requirements. A well known problem in the computing industry: developers are not the best people to test the code they create. Small development shops often do not have the resources to test code with a second developer and IT department resources are often stretched doing the development. Our software testing techniques give proven results and lead to less defects reported after deployment.

### ✓ Software Deployment

Today's Information Technology (IT) professionals are responsible for managing a multitude of different platforms, operating systems, hardware configurations, networks, application development tools, and third party components. Implementing and maintaining custom software and vertical market products you develop in this environment is more complex than ever, despite running in the most advanced environment since the dawn of the personal computing era. A strong understanding of deployment fundamentals can reduce the problems introduced into the process and increase the ability to react to unexpected situations and resolve inevitable problems.

### ✓ Stonefield Query Implementations

Have you recently purchased the powerful Stonefield Query ad-hoc query and reporting tool? Need assistance in configuring it to work with your database so you can get this important tool into the hands of your customers? Leverage the years of experience our team has implementing this for other vertical market and custom software applications.

We specialize in FoxPro for DOS and FoxPro for Windows conversions too!

Need some help with something not on our list? We still may be able to help, please give us a call!



### White Light Computing, Inc.

42759 Flis Dr.  
Sterling Heights, MI 48314

<http://WhiteLightComputing.com>  
[info@WhiteLightComputing.com](mailto:info@WhiteLightComputing.com)  
586.254.2530

Ask for Rick Schummer



Guiding your information technology investment toward success!

IN BRIEF



# FoxInCloud

**YOUR VFP APP ON THE WEB  
WITHOUT REWRITE!**

**YOUR VFP APP ON THE WEB  
WITHOUT REWRITE!**

**Offer your VFP desktop application a second life on the Web!**

Many clients want web apps, few care to pay for a full redevelopment.

**FoxInCloud** is a Visual FoxPro layer enabling your existing desktop application to run on both desktop and WEB with the **very same** code base.

Rather than migrating your application to another technology, **FoxInCloud** merely requires adapting your existing code: over 98% of your instructions are adapted automatically!

**FoxInCloud** clones user interface into open web technologies compatible with any browser and client platform: CSS, HTML and javascript let you upgrade your UI to modern Web design.

You save years of work, avoid migration risks, focus your learning effort on technologies that are open and reusable, overcome most Visual FoxPro weaknesses such as outdated UI, database vulnerability, dependency on Windows.

Download **for Free on foxincloud.com:**

- [FoxInCloud Adaptation Assistant](#) to quickly identify the lines of code needing your attention;
- [FoxInCloud Application Server](#) to show your app live in your browser.

www.foxincloud.com

# The Visual FoxPro language moves to its new <homeland/>

## <CXP:Now/>



The PolarFox project, the next generation Visual FoxPro, comes with a new, revised application model and framework, which is able to support not only Windows, but also Web and Mobile application development.

<CXP/> is the first milestone reached towards our vision of the next generation Visual FoxPro alias PolarFox. With the <CXP:Technology/> any Visual FoxPro/FoxPro developer can use existing knowledge, existing data and existing source code to develop state-of-the-art web or connected mobile applications now! Why not add a Web front-end to your existing Visual FoxPro application using a development language you are already familiar with?



### Benefits:

- Easy usage
- Fast (native code)
- Secure (compiled)
- IIS and Apache support
- Supports FastCGI like PHP
- No limits
- Complete and open
- Many build-in features
- Full Xbase++ language
- OOP, Functional, Procedural
- Talks JSON, XML, HTML
- Works with JQuery, Dojo...
- Based on Xbase++
- Free for commercial use

## <Start/>

Mark the date: **November 10th 2011**, the launch date of the first community technology preview! From this day on, your skills, your source code and your knowledge have a new homeland!

**Finally:** <CXP/> is free for commercial use! Start now making money with your existing Visual FoxPro skills and state-of-the-art <CXP:Technology/>

Download details here:  
[alaska-software.com/cxp](http://alaska-software.com/cxp)



## Top Questions

### ■ What is PolarFox?

Polarfox is the project name for the next generation of Visual FoxPro currently under development at Alaska Software

### ■ What is <CXP/>?

CXP is an acronym for Compiled Xbase++ Pages. Think about PHP pages compiled to native code. Of course, the language is Xbase++ 2.0

### ■ What is Xbase++ 2.0?

Xbase++ 2.0 is the next major version of the Xbase++ language. In fact Xbase++ 2.0 is Xbase++ 1.9 + SQL + VFP 9.0 extensions. It is a true object oriented, procedural, command and functional programming language

### ■ How compatible is PolarFox?

Existing VCX/PRG files are transpiled to Xbase++ 2.0 PRG code. Existing SCX and MNX files are transformed to XFF (xml markup). Your FRX, LBX, DBC, DBF, CDX and FPT files are 100% supported

### ■ Is it just a new Visual FoxPro?

No, it is a complete reengineering of the Visual FoxPro development stack. No limits, no compromises!

### ■ Will there be runtime fees?

No, PolarFox is a hybrid compiler, generating native code. Your resulting binaries are Windows 32/64Bit conformant DLLs and EXEs which you can give away for free.

### ■ Supported application types?

With PolarFox you will be able to create native Windows Console, GUI (graphical user interface), Hybrid (text & GUI), Services and Web applications.

### ■ I have so many questions?

Talk with us or send email to [polarfox@alaska-software.com](mailto:polarfox@alaska-software.com)

**alaska**<sup>TM</sup>  
software

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