

Plug-in Development in Dynamics CRM - Syllabus

Duration:

2 days. 8:00am – 4:00pm

Format:

This is an Internet-based, hands-on workshop with each student provided their own virtual development environment for the duration of the class.

Cost:

We are offering two types of tickets:

- Standard Seat: \$895 per person
- Premium Seat: \$1,495 per person

The Premium Seat includes 4 hours of post-workshop consulting services to help you get through some of the challenges that you may face with your first plugin development project.

**** A 10% discount is applied for two or more students.*

Agenda:

Plugin architecture and design

- The Dynamics CRM execution pipeline
- The how, why, and where of plugging into Dynamics CRM
- Performance considerations
- Working in the sandbox

The development environment

- Setup
- Source control
- Working in teams

Deploying plugins

- To CRM
- In a solution
- To CRM Online (if applicable to the student population)

Debugging plugins

- Synchronous vs. asynchronous
- Full-trust vs. sandboxed

Custom workflow activities

- Architecture
- Design features
- Deployment

Maintenance and troubleshooting

- Asynchronous process monitoring
- System job cleanup and maintenance

Miscellaneous topics

- Open-lab time
- Upgrade scenarios
- Code-recovery of lost source plugin code

Plug-In Exercises:

Exercise 1: Autonumber - DateTime
Exercise 2: Autonumber - QueryExpression
Exercise 3: Autonumber - SQL
Exercise 4: Create Related Records
Exercise 5: Generate a Formal Name
Exercise 6: Handling Exceptions
Exercise 7: Multi-Entity Plugin
Exercise 8: Monitoring Plug-In Depth
Exercise 9: Auto-Assign Records
Exercise 10: Zip Code Lookup
Exercise 11: Child Record Rollup
Exercise 12: Data Validation
Exercise 13: Audit Log

Custom Workflow Activity Exercises:

Exercise 1: Route a New Lead
Exercise 2: Verify Email