

Building Business Applications with Microsoft Workflow Foundation

VSLive!

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Michael Stiefel

Reliable Software, Inc.

www.reliablesoftware.com

Pre-requisites for this presentation:

- 1) Basic Understanding of Workflow Foundation

Level: Intermediate



Goal

Understand how to build Workflows with Workflow Foundation

Assumptions

Some Understanding of Microsoft Workflow Foundation



***Workflow is the automated
part of a Business Process***

Key WF Concepts

- *Reusable Business Activities*
- *Separate Workflow from Activity*

- Three Basic Workflow Patterns...



Sequential

- Synchronous
- Asynchronous
- Natural Sequence of Operations
- Workflow is in control

State

- Control is Outside the Workflow
 - Might be Human or Machine Decision
- Workflow restricts choices
- Simpler than Sequential Workflow

Rule Based

- Sequential, State have natural sequence of operations
- Rules model relationships independent of time
- Based on Constraints and Data Values
- Control is Outside Workflow

Code Demos

- Hospital Admissions
- Patient Status



Summary

- Workflow Foundation allows you to incorporate Workflow into your applications
- Workflows can combine code and markup
- Sequential, State, Rule Based
- Much, much more
 - Custom Activities
 - Advanced compensation and cancellation scenarios
 - More complicated policy scenarios
 - Persisting and Restoring Workflows