SharePoint Workflows
About Me
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What will we cover today
Topics:

- What is a workflow?
- OOB Workflows
- Custom Workflows
- Declarative Environment
- Custom Activities
- The Workflow Challenge
- Q&A
- Take Home
What is a workflow?
A workflow is:

A SharePoint workflow is like an automated flowchart that takes a lot of the labor, guesswork and randomness out of your standard work processes.

- Manages
- Changes
- Defines
- Simplifies
- Automates
- Predicts the Outcome
- Rules
Out-of-the-Box Workflows
Pre-Progaramed Workflow Types

- Approval Workflows  
  ✓ Demo
- Collect Feedback Workflows  
  ✓ Demo
- Collect Signatures Workflows  
  ✓ Demo
- Three-State Workflows
- Publishing Approval

By default, the Approval, Collect Feedback, and Collect Signature workflows are not listed in the Select template list box. To make them available, a site administrator must activate them at the site collection level.
Custom Workflows
Custom Workflows

- OOB Workflow Actions
  - Customise the existing OOB Workflows
  - Build your own using the Actions provided
Declarative Environment
The Declarative Environment

• All workflows are now declarative,
  • “Declarative” simply means “no coding”
  • For code solutions, use web services or custom code activities.
• Create workflows by using the activity library that comes with visual studio
• Extend OOB workflows with custom activities
  • VS 2012
  • SPD

“Declarative” defines a behavior of new activity or workflow by composing existing activities without coding.
Custom Declarative Activities

A Custom Workflow Activity is a building block of a workflow and a unit of workflow execution

- Why do you need custom Activities
  - Richer Scenarios
  - Partners & Eco System
  - Sharing & Reusability
Developing a Custom Declarative Activity

Prerequisites:
- SharePoint 2013
- Workflow Manager 1.0
- Visual Studio 2012 or later on SharePoint box

Development & Deployment
- Declarative activities are deployed as SharePoint solution package (.wsp)
- Managed at SharePoint Solution Gallery or Farm Solution Store
The Workflow Challenge Demo
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Do one brave thing today... then run like hell.