

Automating OpsLogix Oracle MP Configuration using Azure Automation and SharePoint

(ops)logix



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MVP: Cloud and Datacenter Management

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Consulting

About Opslogix

- OpsLogix is an international software manufacturer that develops add-ons and plugins for the Microsoft System Center suite.
- As a Microsoft System Center Alliance partner, we develop innovative products for (virtual) infrastructure management.
- We provide Management Packs for:
 - Oracle
 - BlackBerry
 - VMware
 - Capacity Reports
 - SWIFT
 - Ping

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About Tao Yang

- Independent Consultant
– TY Consulting Pty Ltd
- MVP – Cloud and
Datacenter Management
- System Center and OMS
- SCOM Management
Pack Developer



Agenda

➔ Introduction

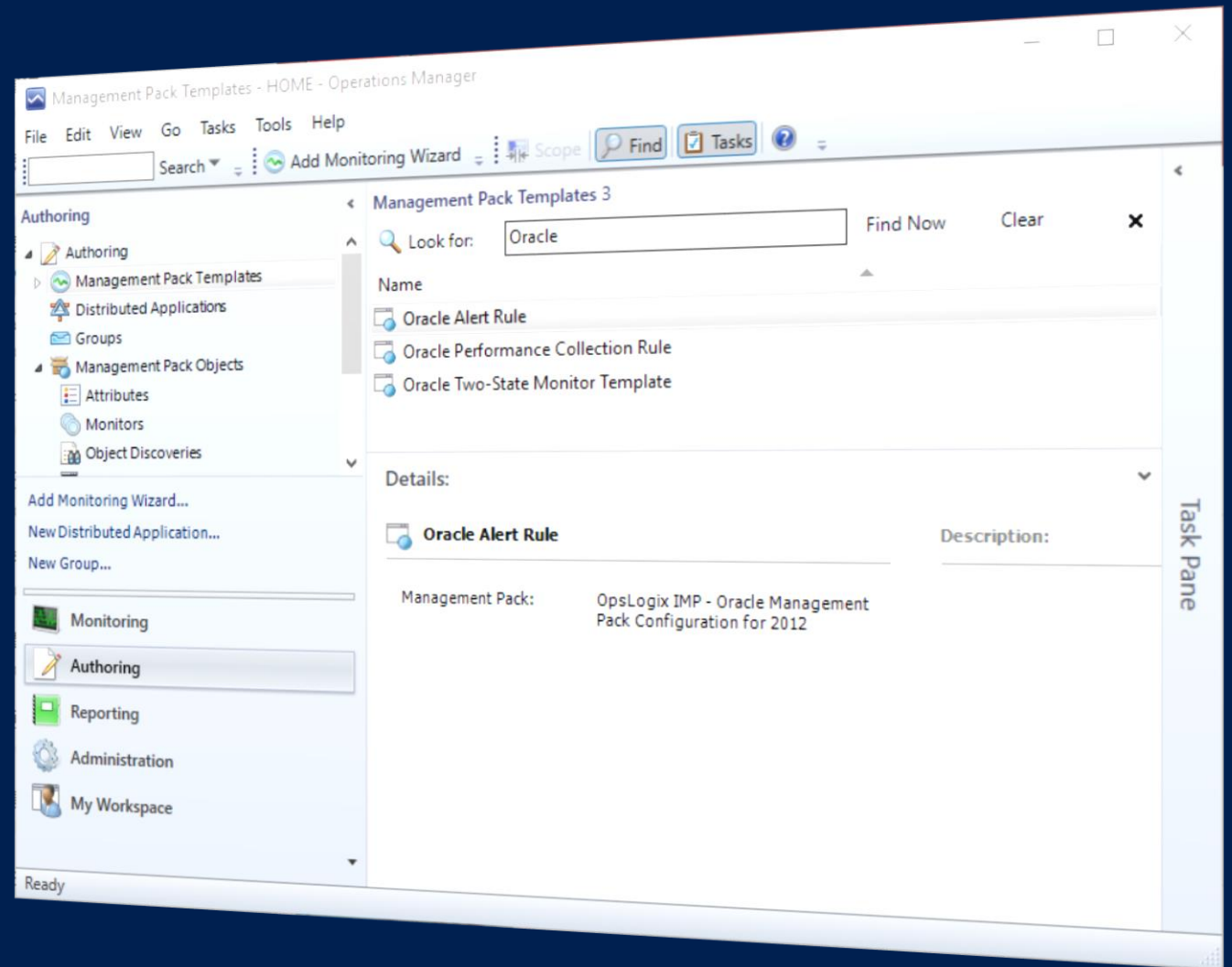
➔ Prerequisites Configuration

➔ Demo – Creating Automation Solution

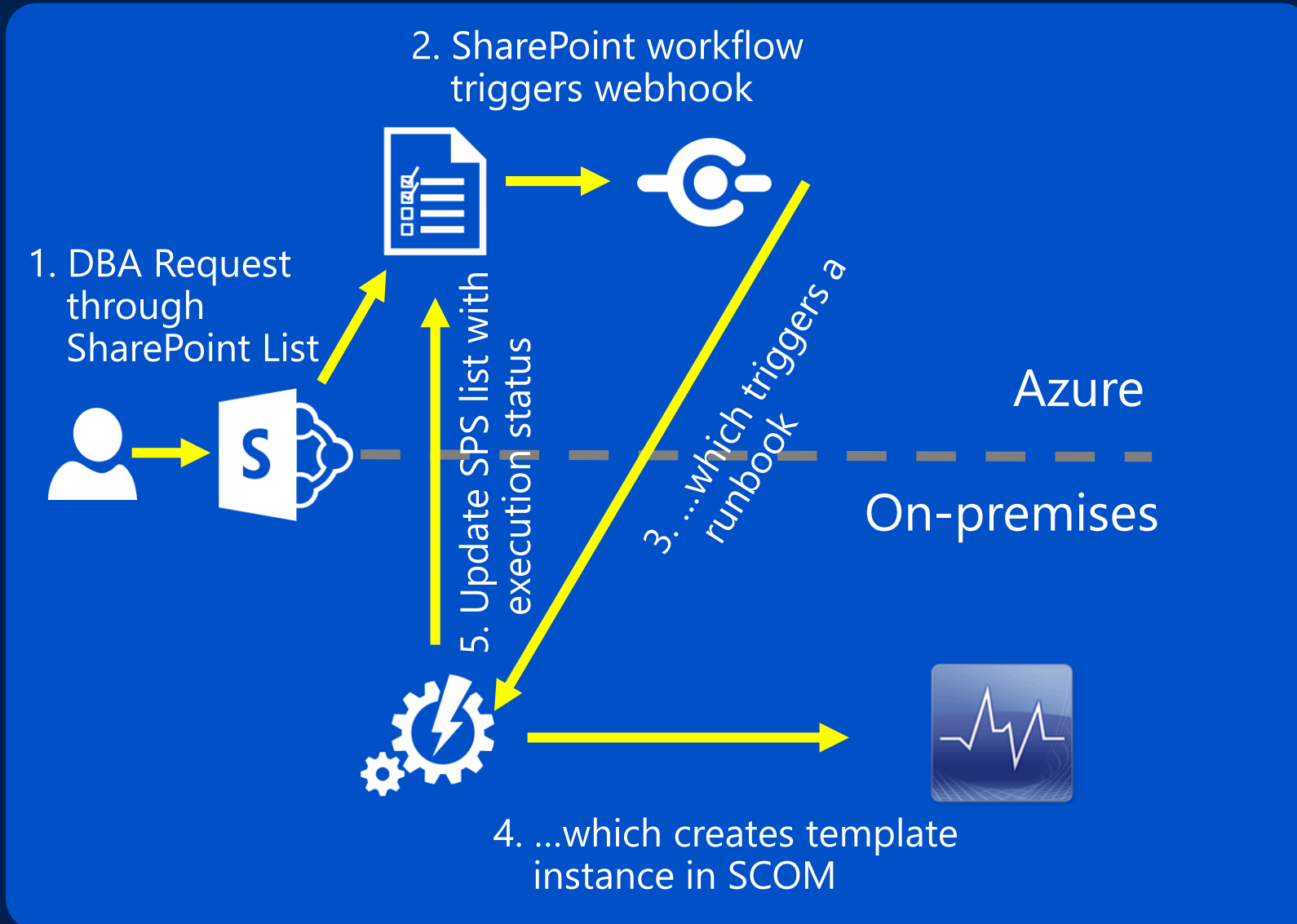
➔ Q & A

Introduction

- OpsLogix Oracle MP Provides Monitoring Templates
- Limitation – Only SCOM admins can create them
- Self-Service Portal for Oracle DBAs
- Free up SCOM admins for more important tasks



Introduction



Introduction

- Self Service Portal: SharePoint
 - On-Premises SharePoint 2013
 - SharePoint Online (Part of Office 365)
- Automation Engine: Azure Automation
 - Azure Hybrid Worker within your on-premises network
- SCOM 2012 R2 with OpsLogix Oracle MP

The screenshot displays the Office 365 Sites management interface. The top navigation bar includes the Office 365 logo, the 'Sites' tab, and a 'Consulting' logo. On the right, there are icons for notifications, settings, help, and a user profile. Below the navigation bar, the interface is divided into a left sidebar and a main content area. The sidebar lists various site templates such as 'Home', 'Notebook', 'Documents', 'Apps in Testing', 'Samples', 'Developer Center', and a 'Recent' section with items like 'SCOM Group', 'SCOM Managed Windows Computers', 'Test', 'Workflow History', and 'Workflow Tasks'. The main content area shows the configuration form for a selected template. It includes fields for 'Display Name', 'Description', 'Counter Name', 'Query', 'Template instance description', 'Return Column Name', 'Rule Target', 'Query Interval (Seconds)' (set to 300), and a checkbox for 'Rule / Monitor Enabled by Default' (checked). At the bottom right, there are 'Save' and 'Cancel' buttons.

Introduction

➔ Why SharePoint

- ➔ User-friendly
- ➔ Easy to use
- ➔ Common in enterprises
- ➔ Powerful workflow engine

➔ Why Azure Automation

- ➔ Best of the breed
- ➔ Supports native PowerShell runbooks
- ➔ Support custom PowerShell modules
- ➔ Supports Webhooks!
- ➔ Extending to On-Premises network by using Hybrid Workers
- ➔ High-Availability out of the box

Prerequisites

➔ SharePoint

- ➔ On-Premises SharePoint 2013
- ➔ Or SharePoint Online

➔ Azure Automation Account

➔ OMS Workspace (Required for Hybrid Workers)

➔ Hybrid Worker(s)

➔ SCOM 2012 R2 MG with OpsLogix Oracle MP

➔ Service Accounts

- ➔ For SharePoint site – Must have access to manage the particular SharePoint list.
- ➔ For SCOM – Must have SCOM administrator access

Prerequisites – PowerShell Modules

➔ SharePointSDK (v 2.0.1)

➔ PowerShell Gallery: <https://www.powershellgallery.com/packages/SharePointSDK/>

➔ Github: https://github.com/tyconsulting/SharePointSDK_PowerShellModule

➔ OpsMgrExtended (v 1.2)

➔ <http://www.tyconsulting.com.au/portfolio/opsmgrextended-powershell-and-sma-module/>

➔ Load These Modules into your Azure Automation account

➔ Manually Copy them to your Hybrid Workers

➔ Make sure copy to **'%windir%\WindowsPowerShell\v1.0\Modules'** folder

Prerequisites – Configuring Your Dev PC

➔ SharePoint Designer 2013

- ➔ SP Designer 2013: <https://www.microsoft.com/en-au/download/details.aspx?id=35491>
- ➔ SP1: <https://www.microsoft.com/en-au/download/details.aspx?id=42015>

➔ Install PowerShell modules

- ➔ SharePointSDK (v 2.0.1)
- ➔ OpsMgrExtended (v 1.2)
- ➔ Azure Automation Authoring Toolkit (0.2.3.2)
 - ➔ <https://www.powershellgallery.com/packages/AzureAutomationAuthoringToolkit/0.2.3.2>
 - ➔ <https://github.com/azureautomation/azure-automation-ise-addon>
 - ➔ Run **Install-AzureAutomationIseAddon** after module is installed

GitHub Repository

➔ Github Repo for this webinar:

➔ <https://github.com/tyconsulting/AutomateOpsLogixOracleMPConfig>

➔ What you can find?

- ➔ This slide deck
- ➔ Sample runbook
- ➔ Sample script

Demo – Creating Self-Service Portal for OpsLogix Oracle MP

Free E-book: Inside the Microsoft Operations Management Suite

- Written by Microsoft MVPs and PFE
- Over 400 pages of comprehensive guide on OMS
- Download version 1.1 from:
 - <https://gallery.technet.microsoft.com/Inside-the-Operations-2928e342>
- Azure Automation is discussed in great details in Chapter 6
- Sample source code available for download on Github



Questions?

