数据中心管理过程自动化
一技术概述

高伟
MCT
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会议目标和产品价值

目标:

- 使您能够理解Opalis 关键功能
- 使您能够理解 Opalis 能给企业的IT管理带来的优势
- 使您能够理解System Center Orchestrator 给企业带来IT管理的新契机及其新功能

价值:

- Opalis是一款具有集成管理业务流程和自动化业务流程的管理软件
- Opalis 是System Center Suite中的一个组件
- 每个企业至少有一种IT自动化流程可以通过使用 Opalis 来完成!

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为什么我们投资于IT流程自动化？

- System Center 怎么样去提供 ITPA?
  - 一致性
  - 合规性
  - 整合

Removal of the manual

The ability to choose

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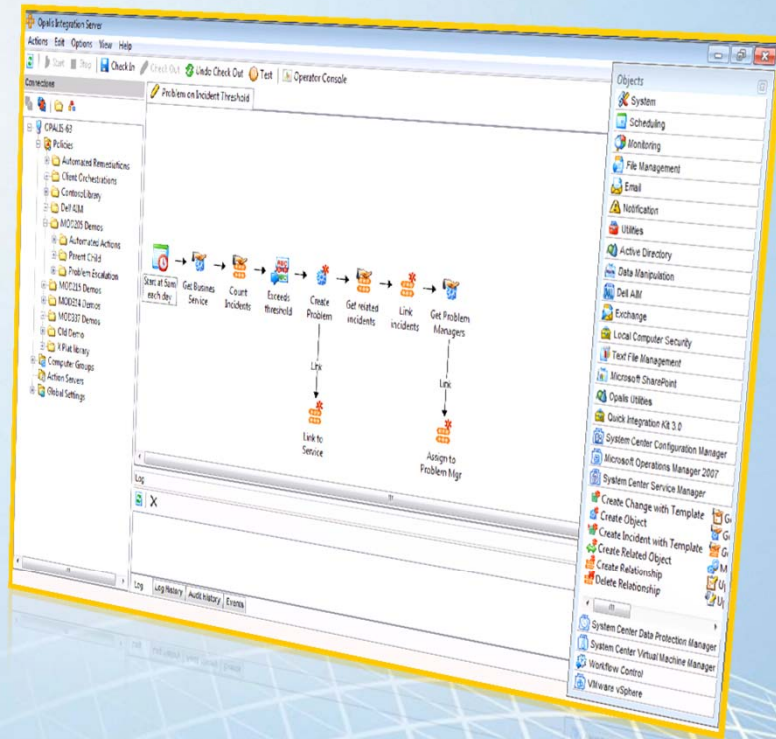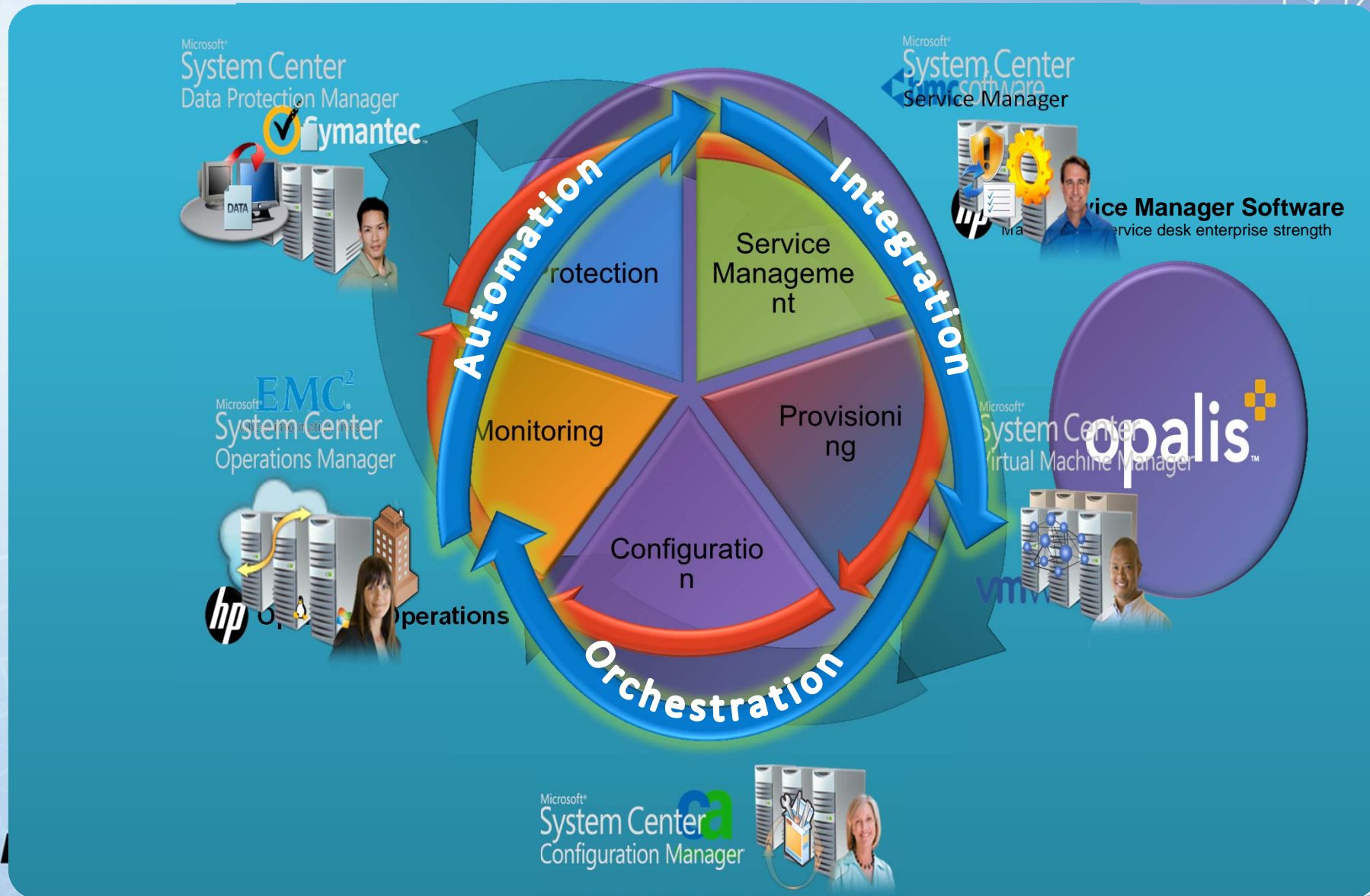
TODAY

凭借Opalis 6.3的功能

Opalis 历史

- Opalis is a mature solution set
  - Founded in 1999
  - Current version is 6.3 (Nov 2010)

- Acquired by Microsoft in December 2009

- Opalis is a subsidiary of Microsoft
  - The current version of Opalis is a grant to Microsoft customers

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Opalis brings it all together!

Opalis 概念

- ## Activities（活动）
  - Intelligent tasks that perform defined actions

- ## Integration Packs（集成包）
  - The way Opalis integrates to and executes activities against other systems and solutions

- ## Databus
  - The mechanism Opalis uses to publish and consume information between activities as the runbook executes

- ## Runbooks
  - System level workflows that execute a series of linked activities to complete a defined set of actions
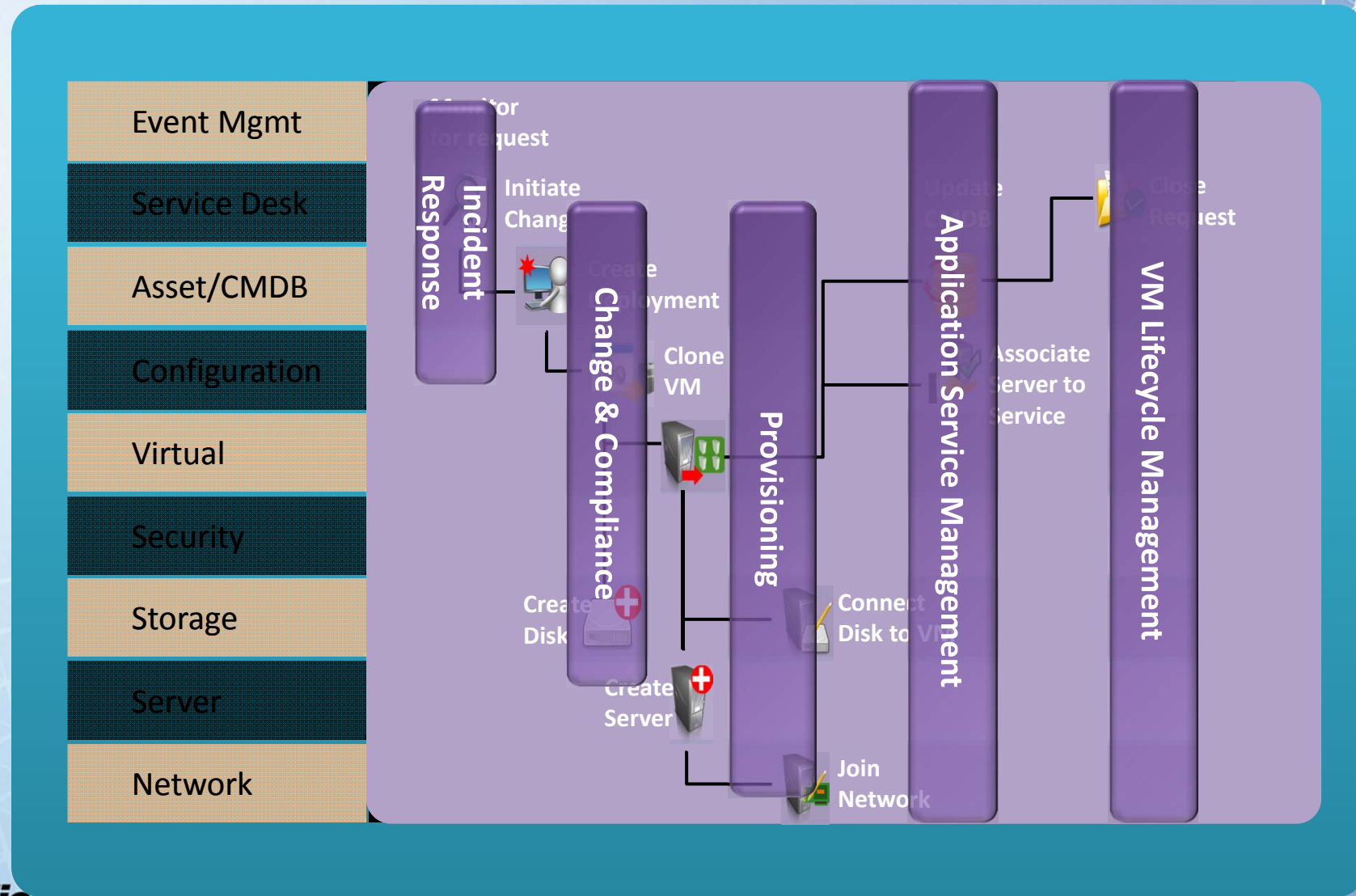
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执行任务变得简便

Reques t ID	VM Size	VM Dis k	...
CR345 3	Larg e	8G B	...
CR346 0	Smal l	1G B	...
CR375 0	Smal l	4G B	...
CR276 2	Med	5G B	...

VM ID	VM Nam e	...
23311		
23311 3	VM2 33	...
23311		
23311 4	VM2 34	...
23311		
23511 5	VM2 35	...
23311		
23811 6	VM2 36	

Disk ID	...
33434	...
33435	...
33436	...
33437	...

Job ID	...
6655	...
6657	...
6659	...
6670	...

Protectio n Group	...
LargeVMs	...
SmallVMs	...
SmallVMs	...
MedVMs	...

Opalis Databus

在数据中心自动化数据仓库

Event Mgmt
Service Desk
Asset/CMDB
Configuration
Virtual
Security
Storage
Server
Network

Incident Response
Monitor for request
Initiate Change

Change & Compliance
Create Deployment
Create Disk

Provisioning
Clone VM
Connect Disk to VM
Create Server
Join Network

Application Service Management
Update CMDB
Associate Server to Service

VM Lifecycle Management
Close Request

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Opalis 目标场景示例

- Manual tasks（手工任务）
- Batch Scripts（批量脚本）
- Compliance requirements
- User request scenarios
- Provisioning
- Disaster Recovery（灾难恢复）
- Desktop scenarios
- Responding to incidents（事件响应）

- Change Control
- Multiple Service Desks
- Capacity Management
- Release Management
- SLA adherence issues
- Rapid change environments
- Diverse system integrations
- Patch Remediation

Every customer has at least one scenario that **Opalis** answers!

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Opalis 解决方案能力

- 通过客户的使用得到检验
  - Currently on 6th version of product which has seen broad customer adoption for a variety of use cases

- 审核和调试简单易用
  - Drag and drop, Visio-like authoring, nested runbooks, built in features like looping and branching.

- Databus
  - Abstracts developer-level complexity from the runbook author and enables Hub-and-spoke integration model
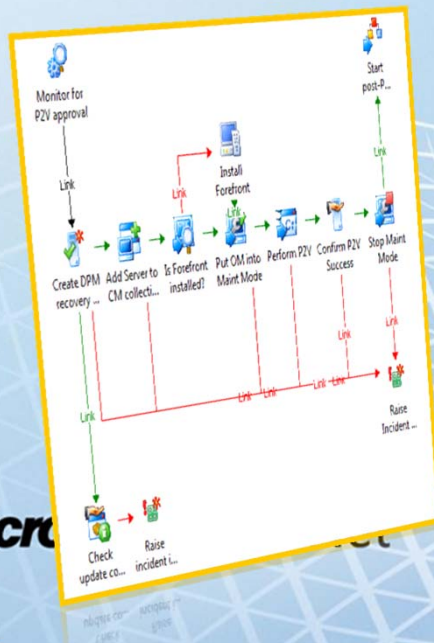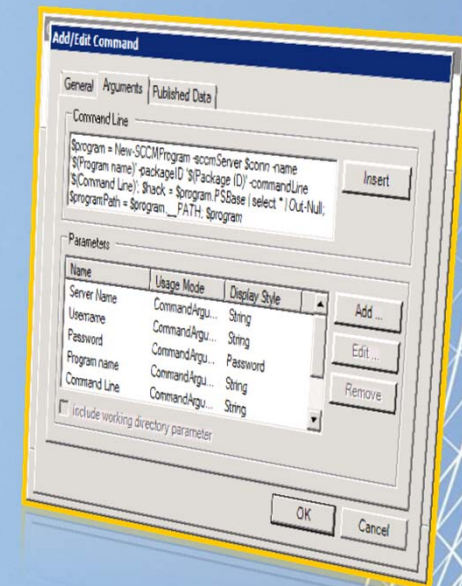
- 集成包
  - All major enterprise products covered (HP, IBM, CA, BMC, EMC)

- 易于扩展
  - Quick Integration Kit (QIK)
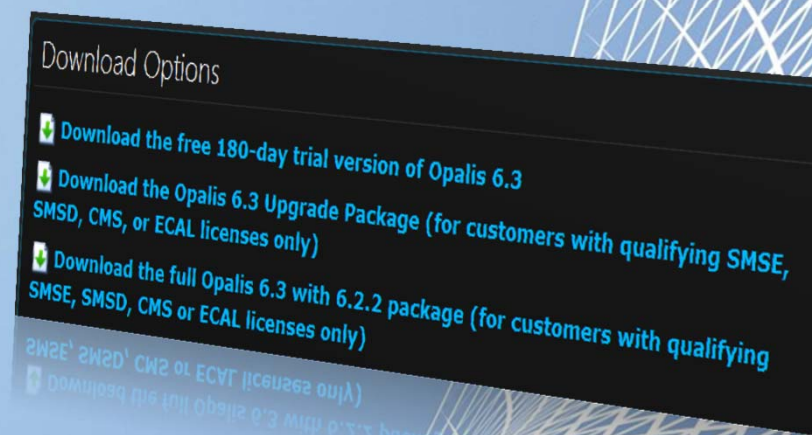
- 操作控制台
  - Role-based views provide visibility to the runbooks

- 成本
  - All Management licensing vehicles (SMSE/D, ECI, e-CAL and SPLA) include a license grant for Opalis.

如何获取Opalis?

- The Opalis subsidiary has granted Microsoft customers rights to Opalis:
  - Server Management Suite Enterprise/Datacenter (SMSE/D)
  - New into Service Provider Licensing (SPLA)!
  - New into Enterprise CAL (eCAL) for client scenarios!

- Getting the bits:
  - 180 day trial available on microsoft.com
  - Full version and licenses also on microsoft.com
  - Opalis will not be on MVLS, TechNet or MSDN

Download Options

⬇ Download the free 180-day trial version of Opalis 6.3
⬇ Download the Opalis 6.3 Upgrade Package (for customers with qualifying SMSE, SMSD, CMS, or ECAL licenses only)
⬇ Download the full Opalis 6.3 with 6.2.2 package (for customers with qualifying SMSE, SMSD, CMS or ECAL licenses only)

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TOMORROW

让我们来看一下System Center Orchestrator！

System Center Orchestrator 投资领域

IT Pro
- Authoring, Debugging & Scripting

Operator
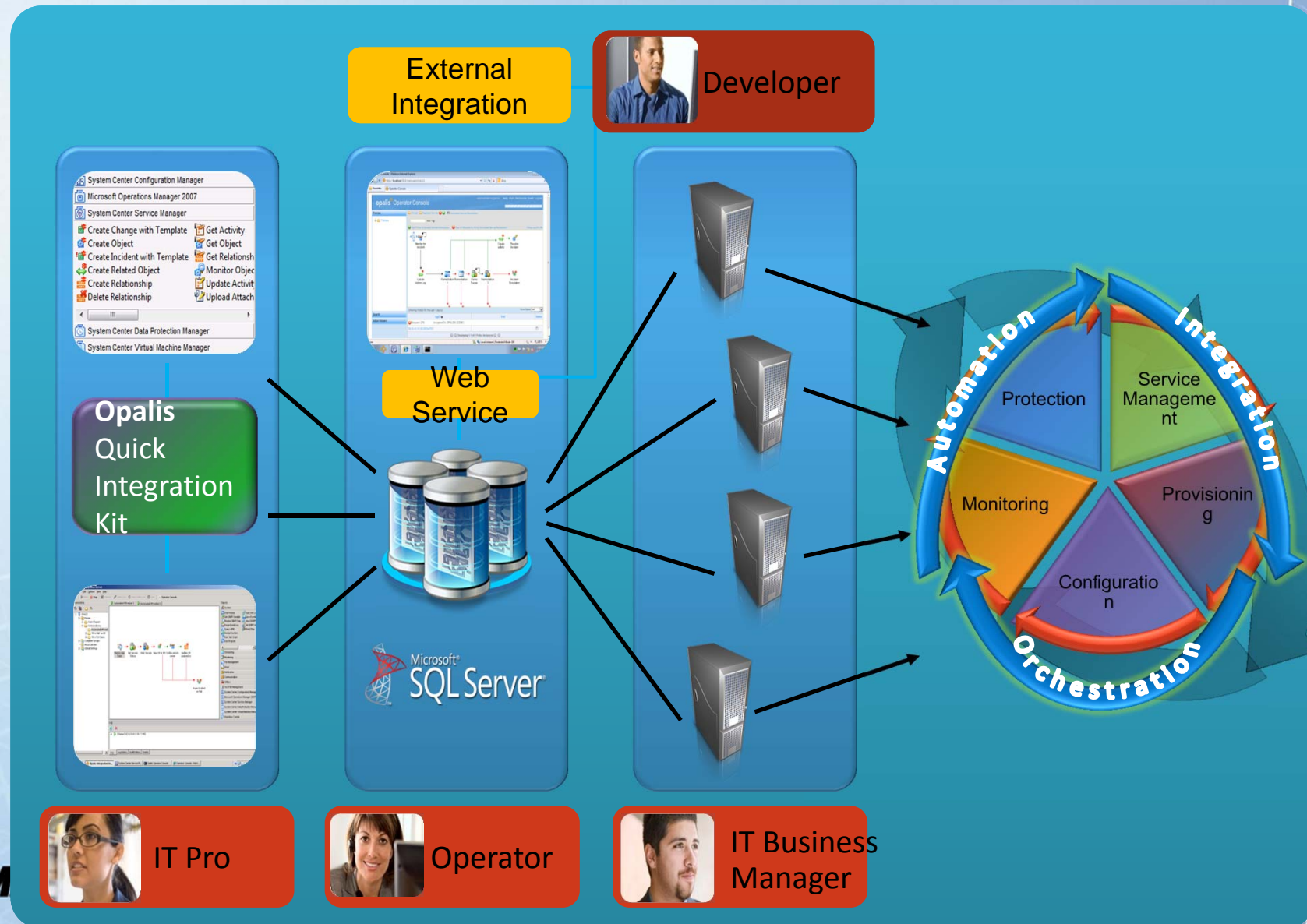- Trigger, Monitor &Troubleshoot

Developer
- Application integration

**IT Business Manager**
- Report & Analyze

Opalis的组件

您将在Orchestrator看到什么呢?

- 动态 Silverlight 控制台
- Consistency across Versions
  - Opalis 6.3 & Orchestrator
  - PowerShell
  - Protection of existing investments in Opalis 6.3

- 强大的 Web Service
  - Interface from anywhere to System Center
- Reporting
  - No new interfaces, just leverage of existing structures
- Script based interaction with System Center Orchestrator

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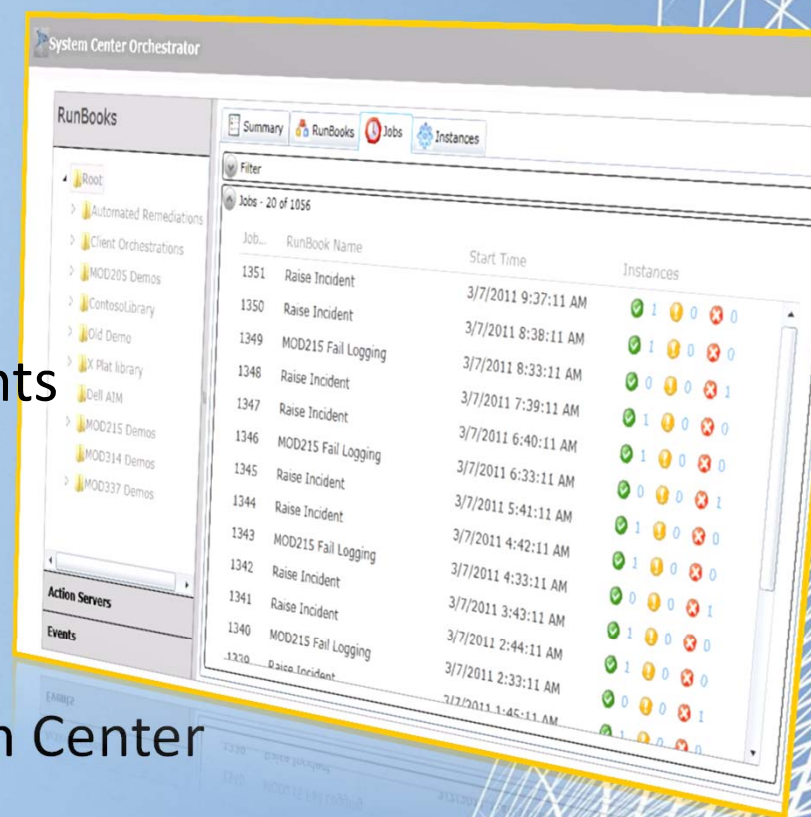
常见问题!

本地化/全球化

- We are globalizing for Orchestrator
- Localization (languages other than EN_US) will follow in a
future release.

Operations Manager 管理包

- YES!
- Released with Orchestrator

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Opalis 第三方集成包

- BladeLogic Operations Manager
- BMC Atrium CMDB
- BMC Remedy AR System
- BMC Event Manager
- BMC Patrol
- CA Spectrum
- CA Unicenter Service Desk
- CA Autosys
- CA eHealth
- CA Unicenter NSM
- EMC Smarts InCharge
- VMware vSphere
- File Transfer Protocol

- HP iLO and OA
- HP OpenView Operations (Windows)
- HP Service Manager
- HP Asset Manager
- HP Network Node Manager
- HP OpenView Operations (Unix - HPUX)
- HP OpenView Operations (Unix - Solaris)
- HP OpenView Service Desk
- IBM Tivoli Netcool Omnibus
- IBM Tivoli Enterprise Console
- IBM Tivoli Storage Manager
- UNIX
- Veritas NetBackup

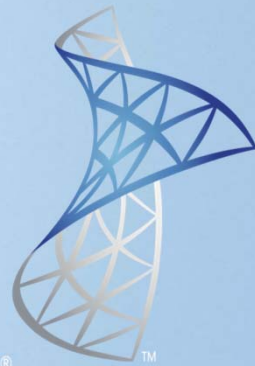Items in Green are targeted for remediation for the Orchestrator release

Useful Links

- http://msft.it/opalisresources

- http://msft.it/opalis

- http://msft.it/opalisblog

- http://msft.it/opalistechnet

- http://msft.it/CharlesJoy

  ■ http://msft.it/adamhall

  ■ http://opalis.codeplex.com

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Close, Q & A