What is New in Microsoft Operations Management Suite

Tao Yang

- Managing Consultant, TY Consulting
- MVP: Cloud and Datacenter Management

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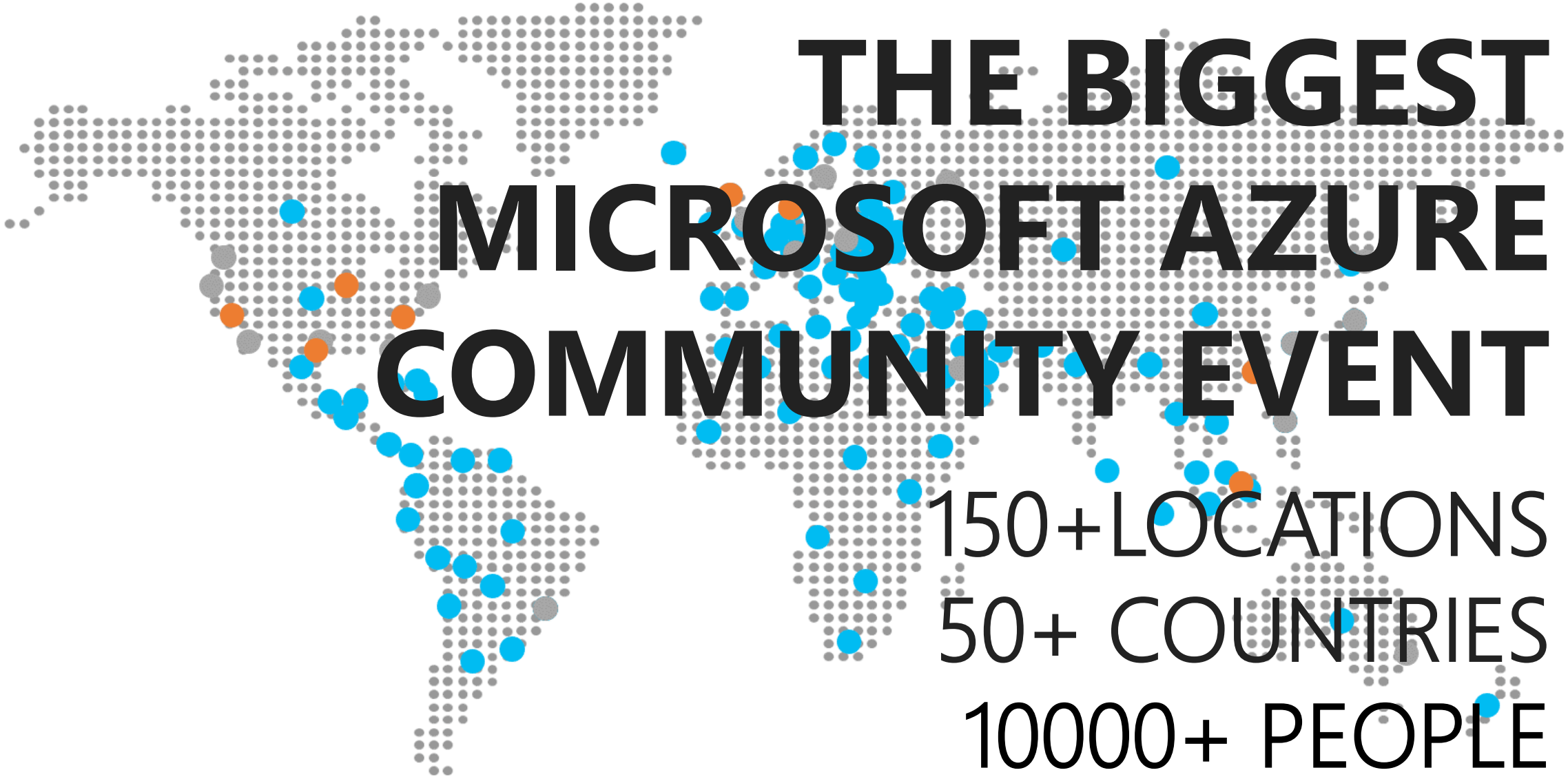

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Tao Yang

- Independent Consultant – TY Consulting Pty Ltd
- MVP – Cloud and Datacenter Management
- System Center and OMS
- SCOM Management Pack Developer
- Co-Author of the Inside Microsoft Operations Management Suite book
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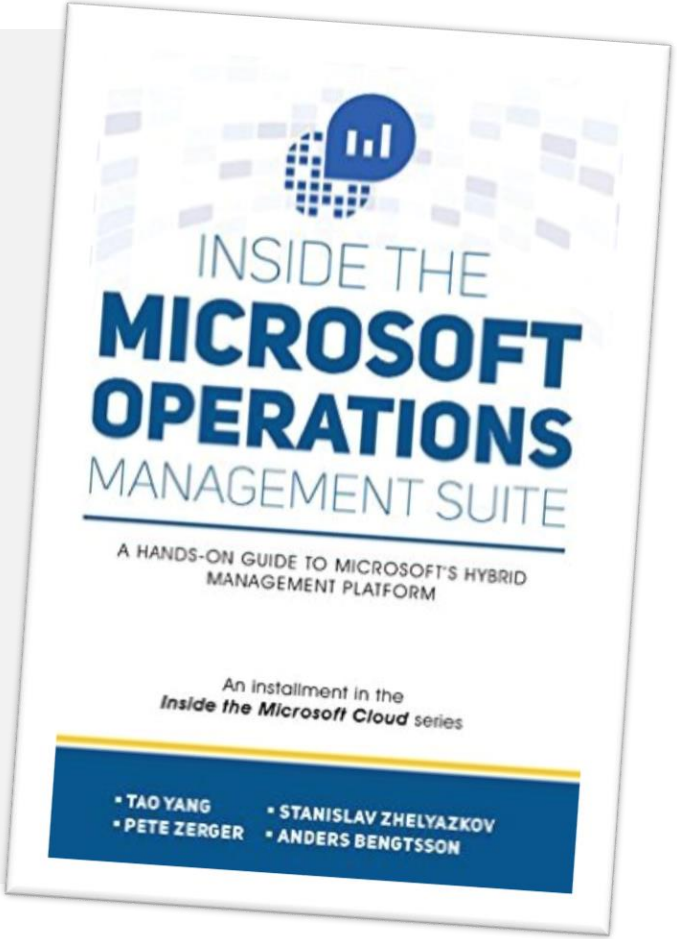

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Agenda

- New OMS Features Overview
- New Features Deep Dive and Demo
- Q&A

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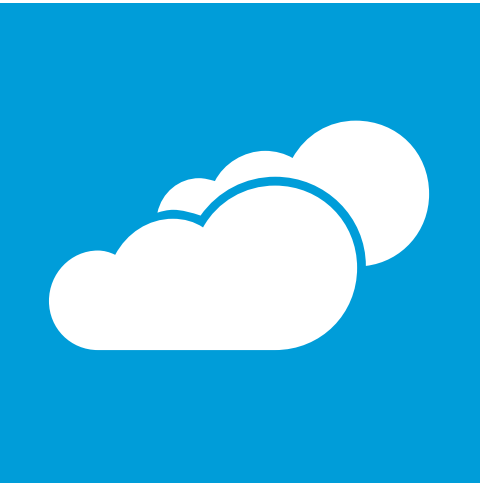

New OMS Features Overview

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Operations Management Suite

It's a suite of 4 products

1. Azure Operational Insights

Log analytics

- Effortless log collection
- Integrated fast search and queries with custom dashboard

Spot problems fast

Security & Compliance

- Malware assessment
- Security posture and system update assessment

Recognize threat early

2. Azure Automation

Automation

- Hybrid runbook worker
- Graphical workbook authoring and automation DSC

Automate tasks quick

3. Azure Backup

4. Azure Site Recovery

Backup & Site Recovery

- Integrated cloud backup
- Seamless disaster recovery and workload migration

Protect data and applications easily

What's New in OMS Log Analytics

- Updated Portal UI
- Near Real Time (NRT) Performance Data Collection
- Linux Agent Support
- Surface Hub Solution
- AD Replication Status Solution

- Improved Security and Audit Solution
- Alerting and Remediation
- Power BI Integration
- Computer Groups
- OMS Gateway

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What's new in Azure Automation

- PowerShell Runbooks
- Graphical Runbooks
- Graphical Runbooks Authoring SDK
- Source Control Integration (Github)

- Webhook support for Hybrid Workers
- Graphical Runbooks support on Hybrid Workers
- Hybrid Worker Custom Run-As accounts

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What's New in Azure Backup and Site Recovery

Azure Backup and Site Recovery Are Now available in ARM as Azure Recovery Services

Azure Backup

- Azure Backup Server (No DPM License Required)
- Long term retention (up to 99 yrs)
- Offline seeding
- Backup All DPM Workloads to Azure

Azure Site Recovery

- Enhanced VMware DR scenario

* Attend Daniel Mar's session for more details on Azure Backup and Azure Site Recovery – Demo after lunch!

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OMS Alerting

- Become generally available few days ago
- Alerts based on OMS search queries
- Alert responses:
  - Email Notifications
  - Azure Automation Runbooks
  - Webhooks
- Alert Suppressions
- Search time window between 5 minutes to 24 hours

https://blogs.technet.microsoft.com/msoms/2016/04/12/learn-how-to-get-started-using-oms-alert-management/

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Demo – OMS Alerting

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OMS Computer Groups

- New feature released last week
- Created based on OMS search queries
- Or imported from AD or WSUS
- Used to narrow down search results. i.e.

```
Type=Perf CounterName="% Processor Time" Computer IN
$ComputerGroups[SCOM Servers]
```

- Check AD Group membership:

```
Type=ComputerGroup(GroupSource=ActiveDirectory) Group="Domain
Controllers"
```

https://blogs.technet.microsoft.com/msoms/2016/04/04/computer-groups-in-oms/

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Demo – Computer Groups

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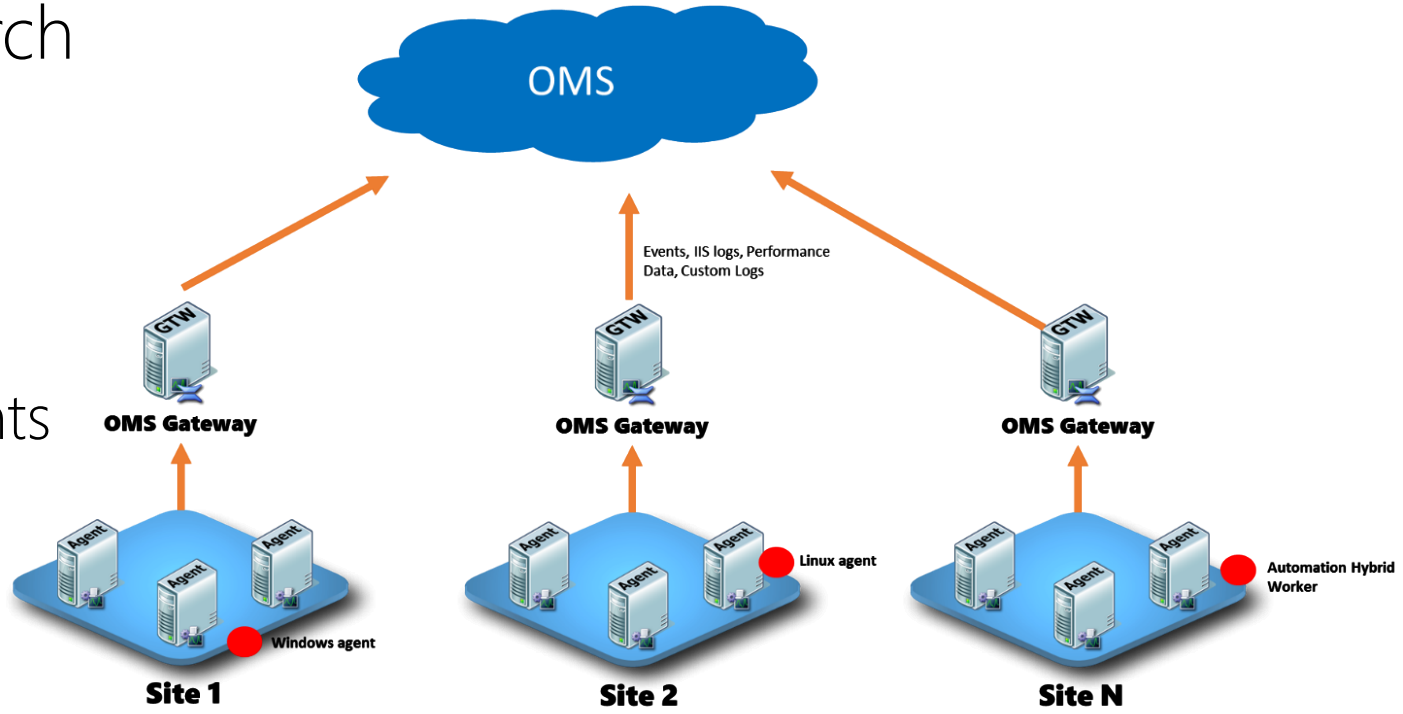
OMS Gateway (Log Analytics Forwarder)

- Release to Public Preview in March
- HTTP Proxy used solely for transmitting data to OMS
- Can be used for:
  - Directly Connected Windows agents
  - Linux agents
  - SCOM Management Groups



https://blogs.technet.microsoft.com/msoms/2016/03/17/oms-log-analytics-forwarder/

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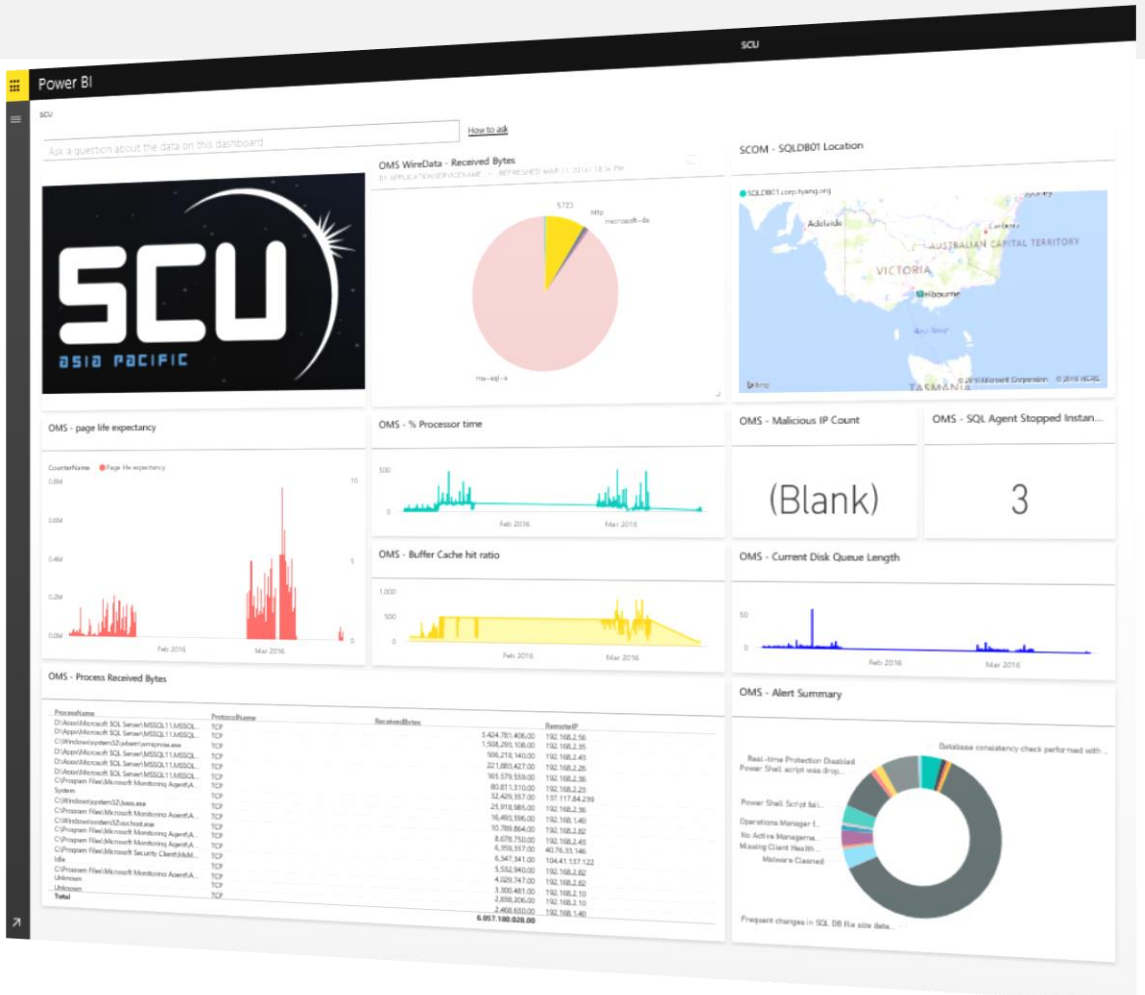
Power BI Integration

- Release for Public Preview in 1st April

1. Send OMS data to Power BI on a configured schedule
2. Create Power BI reports from OMS data
3. Create Power BI dashboards
4. Share dashboards with other people / embed Power BI reports in other systems such as SharePoint



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Demo – Power BI Integration

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Demo – Azure Automation

- Graphical Runbooks
- Webhook Support for Hybrid Workers
- Hybrid Workers Custom Run-As Accounts

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Session Evaluation

Tao Yang

- tyang@tyang.org
- Scan the QR code to complete session evaluation.
- A copy of the Inside OMS book will be give to a randomly selected person who completed the session eval.

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Thanks!