Monitoring of Your DataPower Multi-Tenant Environment
Agenda

1. SmartCloud APM support for DataPower monitoring – available today

2. DataPower multi-tenancy monitoring
   - What is it
   - Demo

3. Next Steps
DataPower Monitoring in Application Performance Management

SmartCloud Application Performance Management / ITCAM for Applications

<table>
<thead>
<tr>
<th>ITCAM for SOA agent</th>
<th>ITCAM Agent for WebSphere DataPower</th>
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<tbody>
<tr>
<td>Monitor the services traffic (response time, message count, message size, fault rate, etc.) through:</td>
<td>Monitor the health of the appliance:</td>
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<tr>
<td>• Web Services proxy</td>
<td>• Availability</td>
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<td>• Multi-Protocol Gateway</td>
<td>• Resource utilization</td>
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<td></td>
<td>• Performance</td>
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<td>• Workload</td>
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Monitor the health of DataPower Appliances
What's new in SmartCloud APM - ITCAM Agent for DataPower

- **Multiple application domains monitoring**
  - Agent will discover all domains on the appliance
  - Support for collecting metric data from all application domains on the appliance

- **Granular memory usage monitoring**
  - Service level memory usage
  - Domain level memory usage

- **Connections monitoring – in addition to HTTP connections**
  - MQ connections – number & status of connections to WebSphere MQ queue managers associated with each domain
  - SQL connections – number & status of SQL data source connections to database instances on remote data servers

- **XC10 Support**
  - Collect data with SNMP

- **Expanded Support for DataPower appliance models**
  - XC10
  - 9005
  - Blade for zEnterprise
APPLICATION PERFORMANCE MANAGEMENT FOR SOA APPLICATION ENVIRONMENTS

Monitoring of Your DataPower Multi-Tenant Environment
Support of DataPower Multi-Tenancy Environments

We delivered enhanced monitoring of multi-tenant DataPower environments so that the infrastructure supplier can determine which services from which applications and from which application teams are having performance or fault problems.

- **Use case**
  - As an infrastructure supplier using DataPower domains to partition multi-tenant usage of infrastructure:
    - you have grouped services into domains for each consumer group / tenant Line of Business.
      - You need to monitor and report on service metrics for each consumer group - therefore per DataPower domain
    - You may want to monitor per service requester / client
    - You may also want to monitor service metrics per DataPower appliance
    - Or you may want to monitor a combination of performance metrics – by service, domain, and appliance

- Enhanced support for monitoring of service operations through DataPower appliances, with data broken down per DataPower domain and optionally per service requester is delivered in ITCAM for SOA 7.2 Fix Pack 1.
DataPower multi-tenancy monitoring

- Clients access services deployed in DataPower domains
- Default DataPower monitoring in ITCAM for SOA aggregates service operation data per DataPower appliance (i.e. domains not discriminated).

- Customer wants to derive reports on SOA metrics per LOB / consumer group
  - i.e. service operation data aggregated per appliance, domain and client.
- Delivered enhanced support for this in IBM SmartCloud APM (ITCAM for SOA 7.2 Fix Pack 1).
IBM SmartCloud APM UI support for DataPower Health – BETA
NEXT STEPS
IBM Service Management Connect

- ITCAM for SOA product wiki: https://ibm.biz/BdxTTC
  - Overview and Planning: Supported IBM and SOA environments
  - Best Practices: Best practice guides
  - Documentation: Links to Generally Available documentation, use cases, and guides
  - Media Gallery: Demos on key SOA features & functionality
  - Troubleshooting: Workarounds for most commonly seen issues in SOA
  - Beta Programs: Active and archived beta programs

- ITCAM for SOA forum: https://ibm.biz/BdxTkE
- ITCAM for SOA blogs: https://ibm.biz/BdxTkX
- ITCAM for SOA infocenter: https://ibm.biz/BdxTkr
THANK YOU!