

DataPower experiences

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Agenda

- Customer case studies
- Optimising DataPower configuration
- Optimising WMQ DataPower integration
- Monitoring non-web services traffic with ITCAM for SOA
- Application Optimization feature



Customer Case Studies

Innovative customer stories

Making the right service selection



Context variables

| | Configure Transform Action | Help |
|------------------------------|--|---------------|
| Basic Advan | nced | |
| | Input | |
| | Input PIPE * | |
| | Options | |
| | & Transform | |
| Use Document Proce Instru | C Use XSLT specified in this action on a non-XML message Inctions Image: C Use XSLT specified in this action Image: C Use XSLT specified in XML document processing instructions, if available | ilable |
| Processing Control File | Iocal:/// transform.xsl Upload Fetch Edit View | Var Builder * |
| URL Rewrite | Policy (none) + | |
| Asynchr | ronous 🔿 on 💿 off | |
| | Output | |
| (| Output XML | |
| | Delete Done Cancel | |

NAME OF TAXABLE

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Async actions



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Optimising DataPower configuration

- XSL tricks
 - <dp:freeze-headers/>
 - Stylesheet profiles
- Network connections/ speed
- Cache reference data
- HTTP Persistent connections
- Number of Application domains
- Minimise external references
- Fire and Forget actions

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Multi-way results action for fan-out scenarios

| | | Results | |
|----------------------|------------------------|--------------------------------------|---|
| | Action Type | Results | Specify destination as variable. Variable contains |
| Generate Multi | Destination | var://context/destination/URLs | a list of destinations as a nodeset: |
| Results Contex | Cts Output Type | Default 💟 | <url>http://server1/uri</url> |
| | Asynchronous | ⊖ on ⊙ off | <url>http://server2/uri</url> <url>http://server2/uri</url> |
| | Use Multiple Outputs | ⊙ on ◯ off | |
| | Multi-Way Results Mode | Attempt All | |
| | Number of Retries | 0 | |
| Mode of operation o | Retry Interval | 1000 | Botny n Timos of |
| multiple destination | S | Output | each t interval |
| | Output | myResults (auto) | |
| L | | | |
| | Importa Outputs | nt if <i>Use Multiple</i> s is on | |

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Optimising DataPower – MQ

- Optimising WebSphere MQ
 - Queue Manager configuration (qm.ini)
 - Queue properties
 - File system and I/O rates
 - MQ Performance Team, Hursley
- Optimising DataPower
 - Transactionality
 - Message Sequencing
 - Connection settings
 - Codepage conversions
 - Duplicate policies
 - Firmware release

Monitoring non-web services traffic with ITCAM for SOA

| 151 | WebSphere DataPower SOA Appliances |
|--------------------|---|
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| | Monitoring More Than SOAP Web Services |
| | Integrating a Multi-Protocol Gateway with ITCAM/SOA |
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| Ucoument: Path: | UP MP UW and 11 UMAR S UA VU.VZ.doo Z20ouments/DataPower/Reference Library/Integration & Demo Options/VTCAMD P MP GW and TTCAMS S DA VU 82.doo/ker |

- Integration pattern
- Monitoring non-web services traffic
 - dp:exter-correlator(*identifier*, *direction*)
 - dp:wsm-agent-append(domain, record)



Application Optimisation

- Self-Balancing to spread inbound traffic load across multiple appliances
 - Eliminates the need for additional physical Load Balancers
 - Distributes traffic with minimal overhead
- Intelligent Load Distribution to optimize outbound traffic across multiple destinations
 - Supports dynamic WebSphere cell interrogation
 - Automatically updates targets and weights
- Session Affinity to preserve target session state across multiple requests
 - Supports WebSphere and Non-WebSphere targets





Thank you