DX UIM – Multitier Architecture

Breadth of DX UIM

150+ technologies
Bare-metal server to container

Cloud, Containers & Virtualization

Servers & App Infra.

Big Data, Databases & Storage

Directory Server
Active Directory

Networking Infrastructure
SNMP, Cisco UCS, Meraki..

REST, SOAP, HTTP

CLI, JMX, JDBC, JMS

Data Collection

Agent optional
Light weight processes
Horizontal scalability
Driven by SDKs and REST

Azure
VMWare
SNMP Collector

Agentless
(Probes remotely talk to devices)
Network, Databases, Cloud, Virtualization, App Servers etc.

CPU
MB
Disk
Log

Agent Based
(Probes deployed on each server)
CPU, Disk, Memory, Logs, Processes, etc.

SDK stack

Java
Microsoft .NET

Metrics
Events
Logs
Devices

Correlation & Aggregation

Message bus
Distributed architecture
High Availability (HA)
Secure transport layer

Message Bus (Publish/Subscribe Queues)

DX UIM Server
Primary & secondary hubs

Azure SQL Database
SQL Server
ORACLE DATABASE
MySQL
PERCONA Distribution for MySQL

DX UIM Database
RDBMS

Extensibility & Integrations

- AIOps by Broadcom
- CMDB Gateway
- Service Desk Gateway
- Email Gateway

HTTPS

Visualization

Multi tenancy
Performance reports
Service level management

- Deployment
- Configuration
- User administration

Admin Console
One-stop portal for administration

APIs

- Inventory mgmt.
- Alarm mgmt.
- Performance reports
- Observability views
- SLAs & SLOs

Operator Console
Single pane of glass for operator persona

UI Technology Stack

HTML 5 | JS | CSS 3 | React

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