

COMMERCIAL IN CONFIDENCE

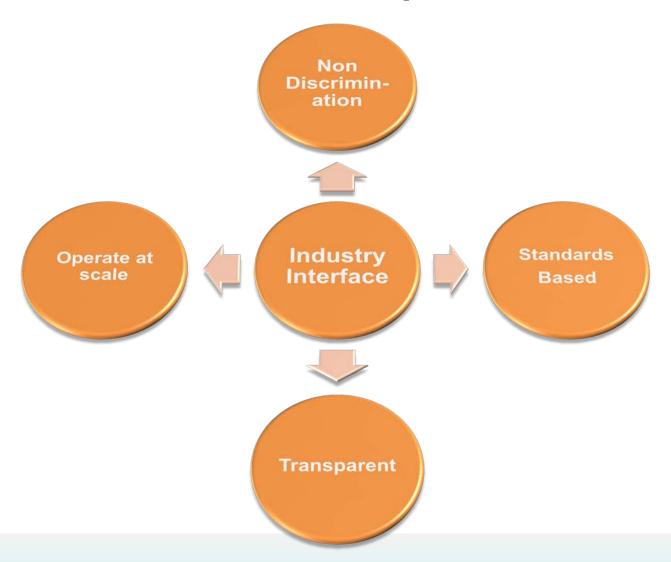
Disclaimer

This document sets out NBN Co's proposals in respect of certain aspects of the National Broadband Network. The contents of this document represent NBN Co's current position on the subject matter of this document. The contents of this document should not be relied upon by our stakeholders (or any other person) as representing NBN Co's final position on the subject matter of this document, except where stated otherwise. NBN Co's position on the subject matter of this document may also be impacted by legislative and regulatory developments in respect of the National Broadband Network.

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Operational Interface Principles





Service Providers are expected to be able to reach any customer in any region, using one of the three technology platforms

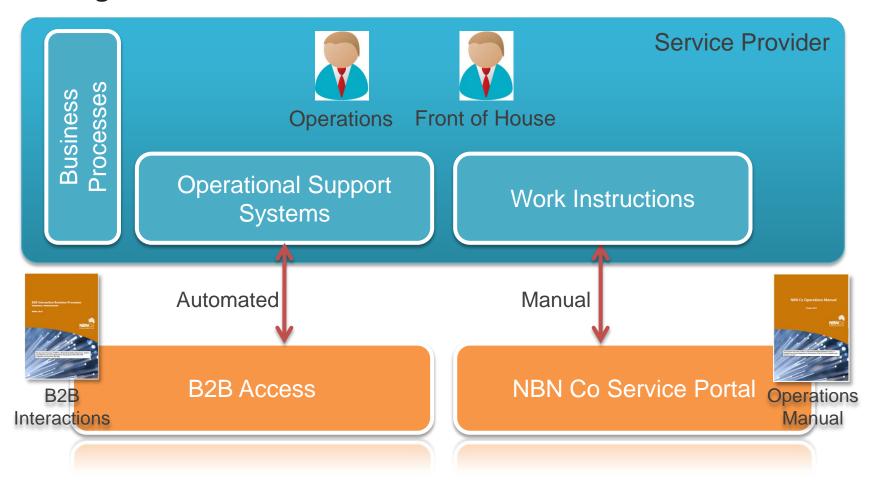


Ubiquity with standard products and processes plays an important part in supporting public applications such as eHealth and Education

This is as important as the speed and throughput improvements



Industry Interface Channels Ensuring non-discrimination



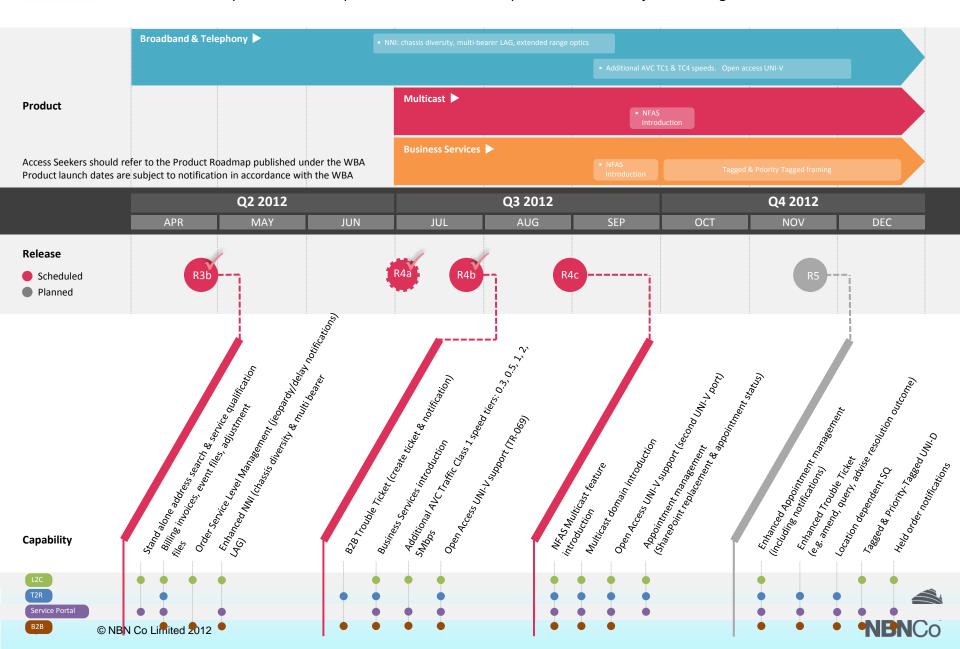
Service Providers may chose to use either the Service Portal only, or in combination with the B2B Access.



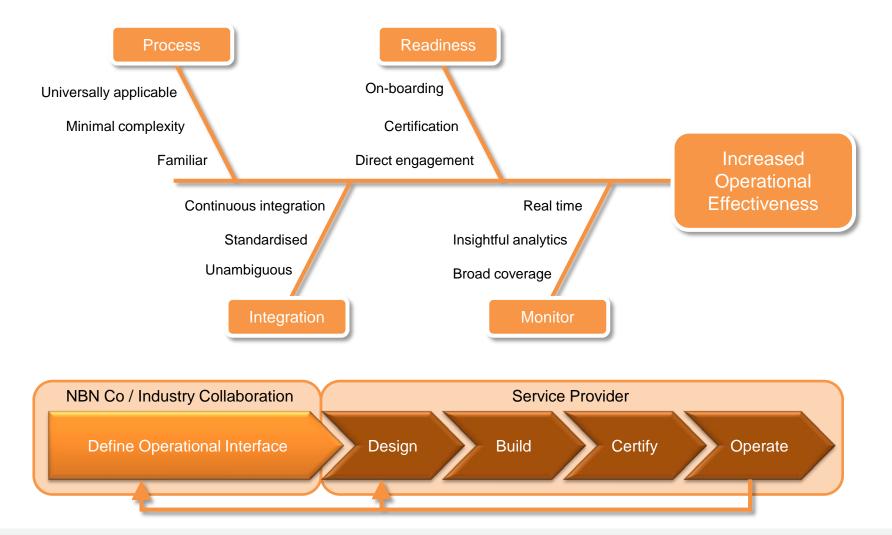


Indicative Capability Roadmap - August 2012

Disclaimer: Scope & timelines represent NBN Co's current position and are subject to change.

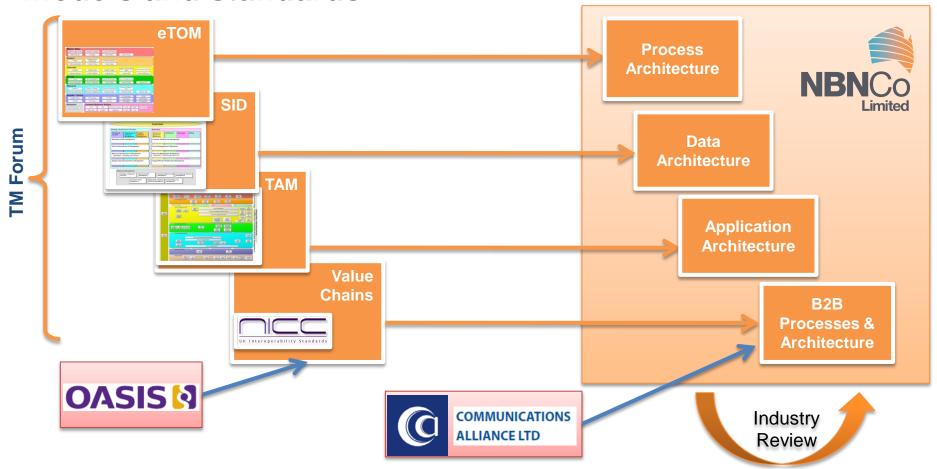


Drivers of B2B Operational Effectiveness





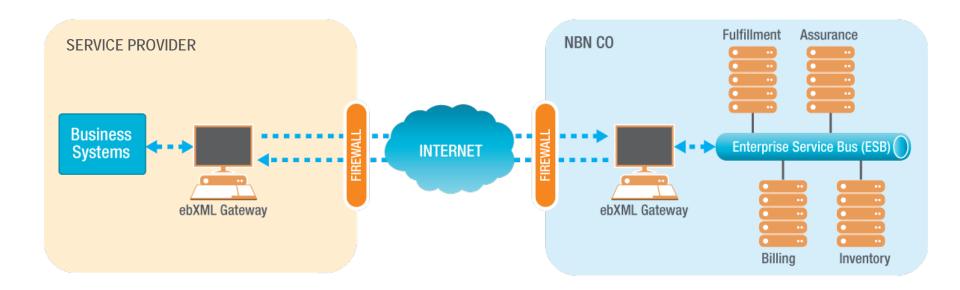
Adoption of best practice reference frameworks, models and standards



Adopting & adapting for a startup wholesale only, access infrastructure provider. Extending to support large scale complex Network Construction.



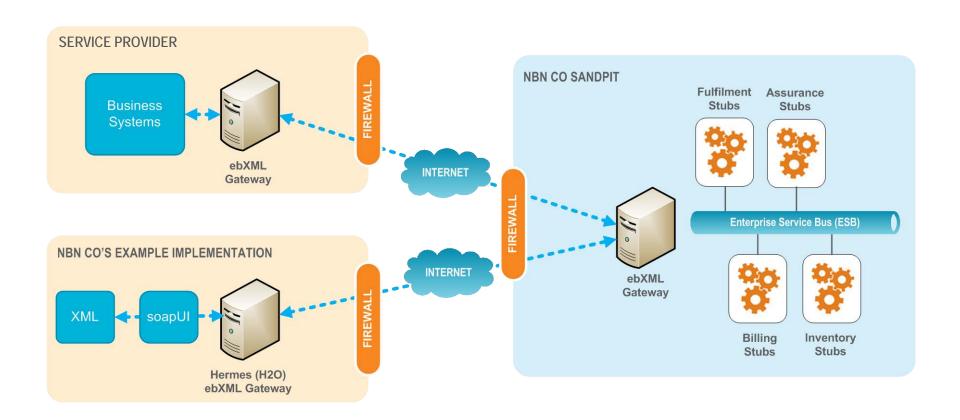
NBN Co B2B Architecture Overview Standards Based Integration



Component	Standards
ebXML Gateway	ebMS v2.0, CPP/CPA v2.0, SOAP 1.1, HTTP 1.1, XML
PKI Infrastructure	X.509 compliant digital certificates
SSL	SSL 3.0/TLS 1.0

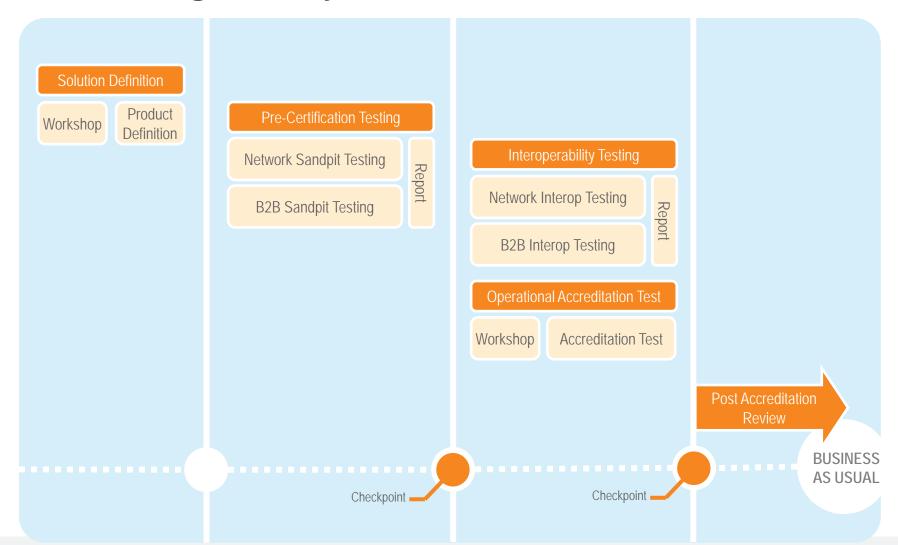


NBN Co B2B Sandpit



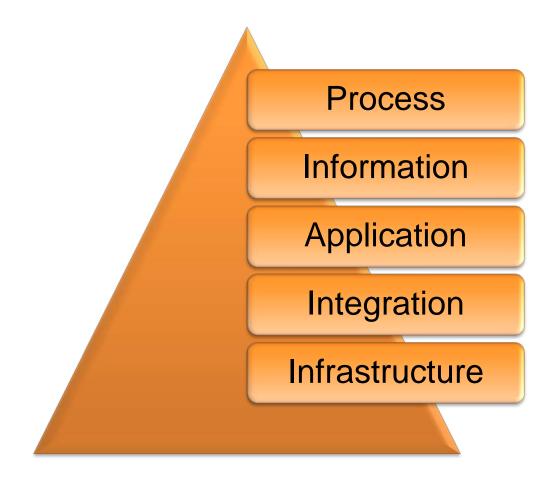


On-Boarding Journey



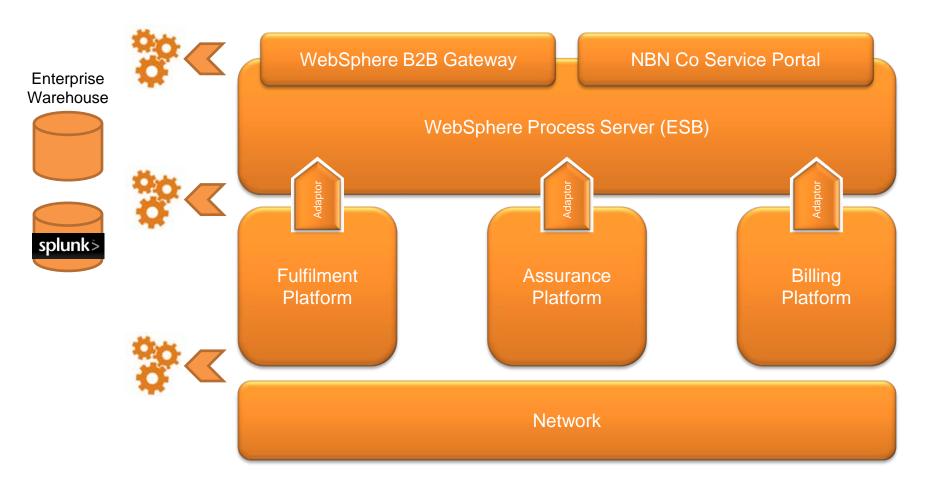


Enterprise Operational Monitoring Foundation



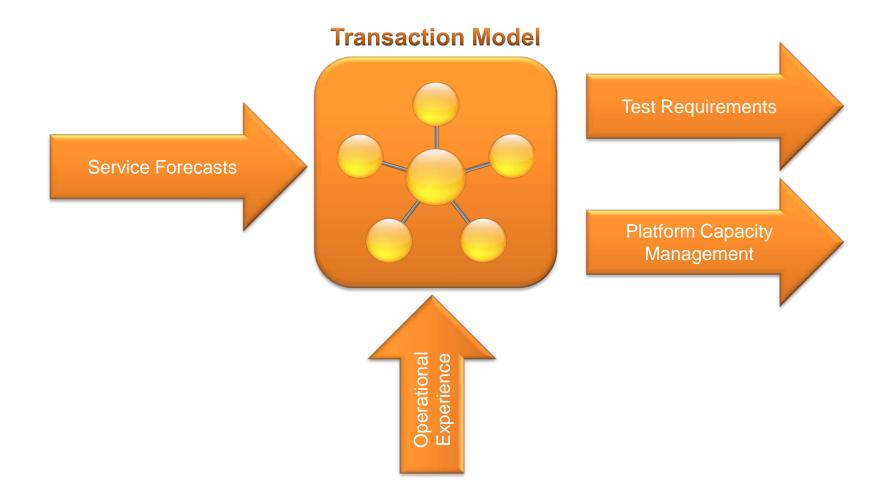


Enterprise Operational Monitoring Architecture



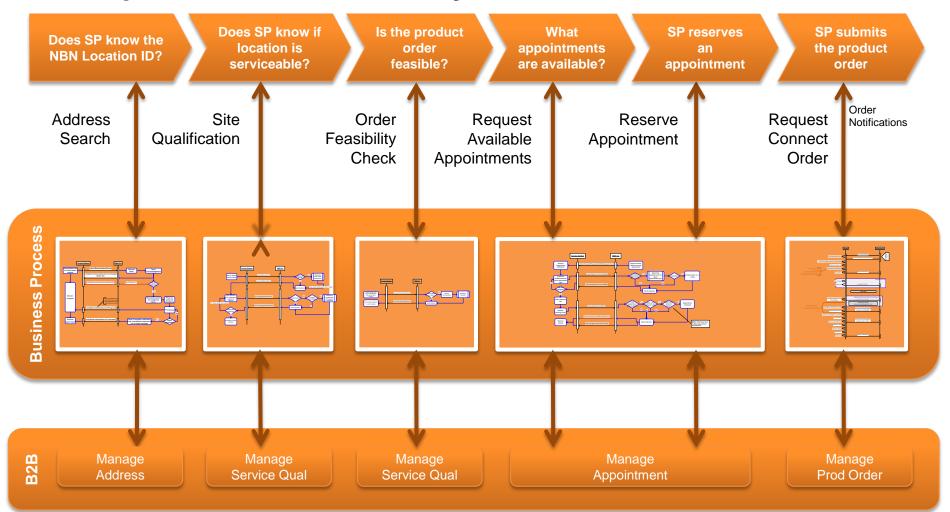


Predicative Modelling



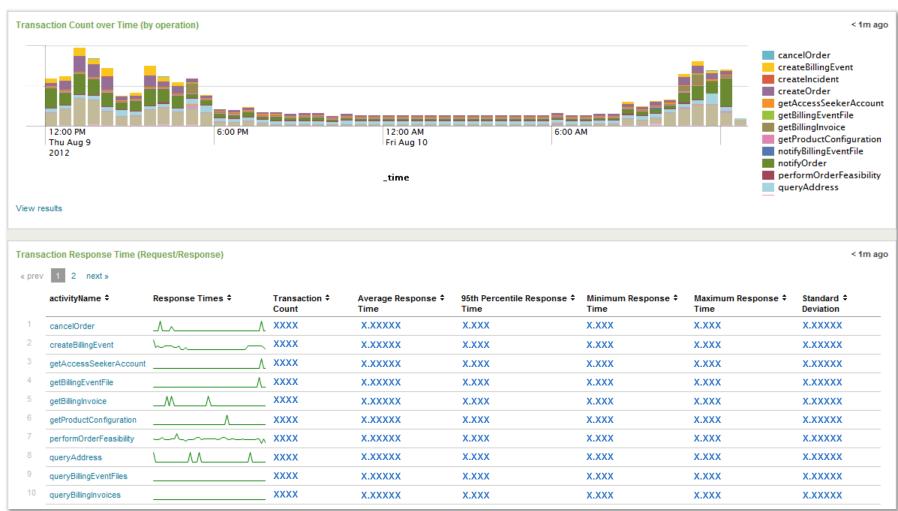


Example B2B Order Journey



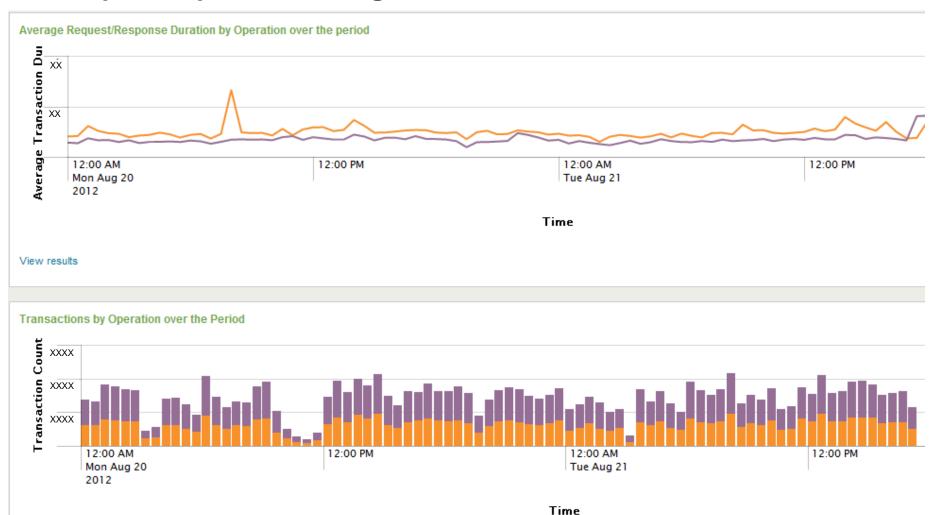


Process Reporting Example Transaction Overview

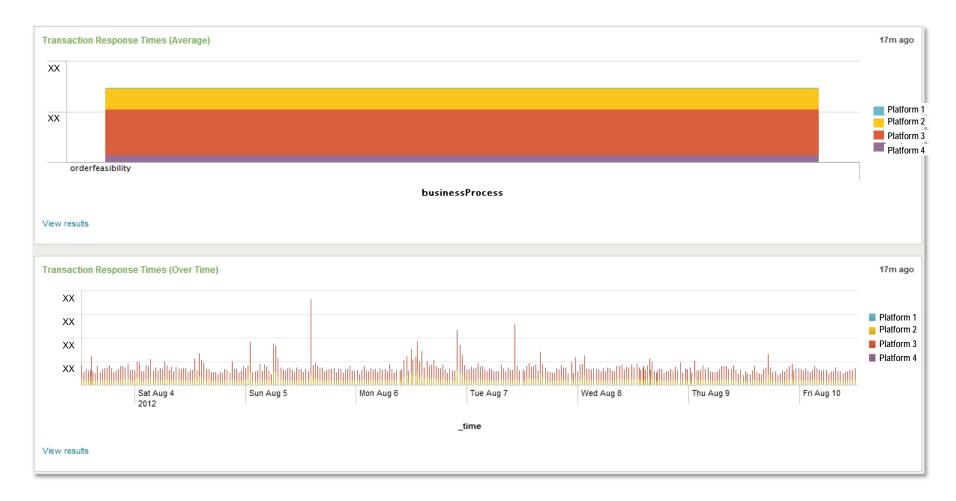




Process Reporting Example Response Time Against Load

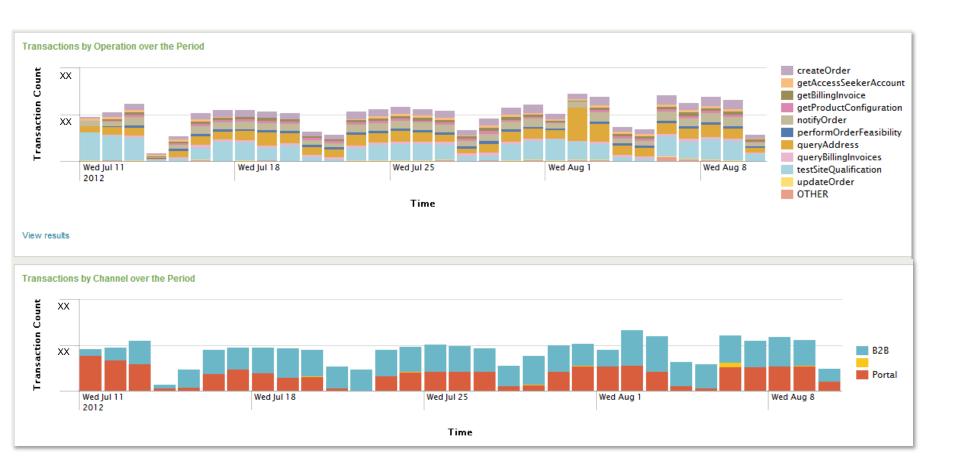


Process Reporting Example Transaction Response Time Breakdown



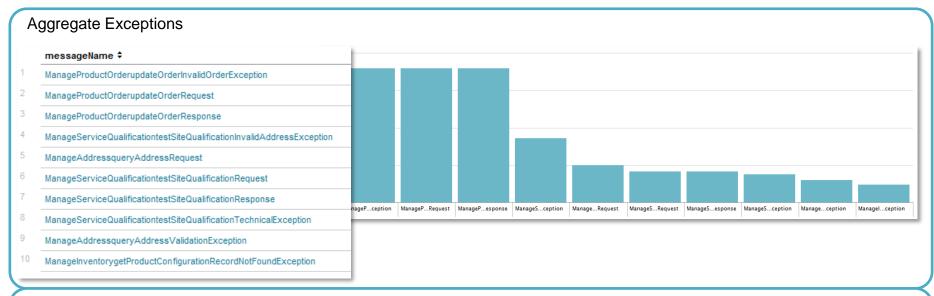


Process Reporting Example Channel Distribution





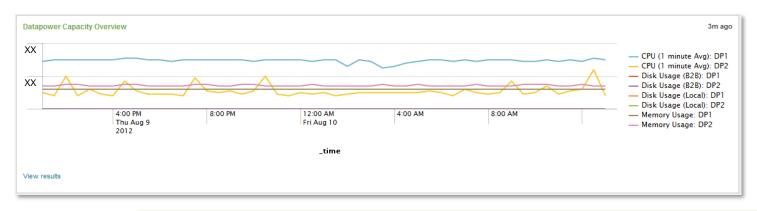
Information Reporting Example Top 10 Exception Reasons

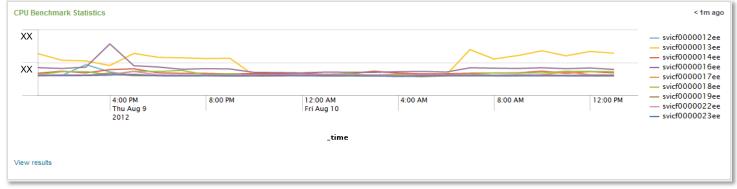


Service Provider Specific Exceptions



Infrastructure Reporting







Blending Complex Datasets Example Geographic Report





Operational Monitoring Best Practices

- Multi-channel ESB to establish a standardised set of services to expose OSS capability. In-built monitoring and logging capabilities to facilitate analysis and monitoring of platform, system, application and business aspects of the OSS solution
- A Global Correlation Identifier (termed NBN Correlation ID) is essential for successful tracing of transactions through multiple systems.
- Use of a Common Information Model through the integration layer provides a consistent view of the data used for each business process
- Common logging practices across multiple platforms allows for a unified monitoring/reporting approach
- Environment agnostic solution to provide analysis and monitoring capability to development through to production environments
- Standard data centre offering to have the Splunk forwarder installed on all virtual machines to facilitate rapid integration of all environments and applications with the central Splunk infrastructure



