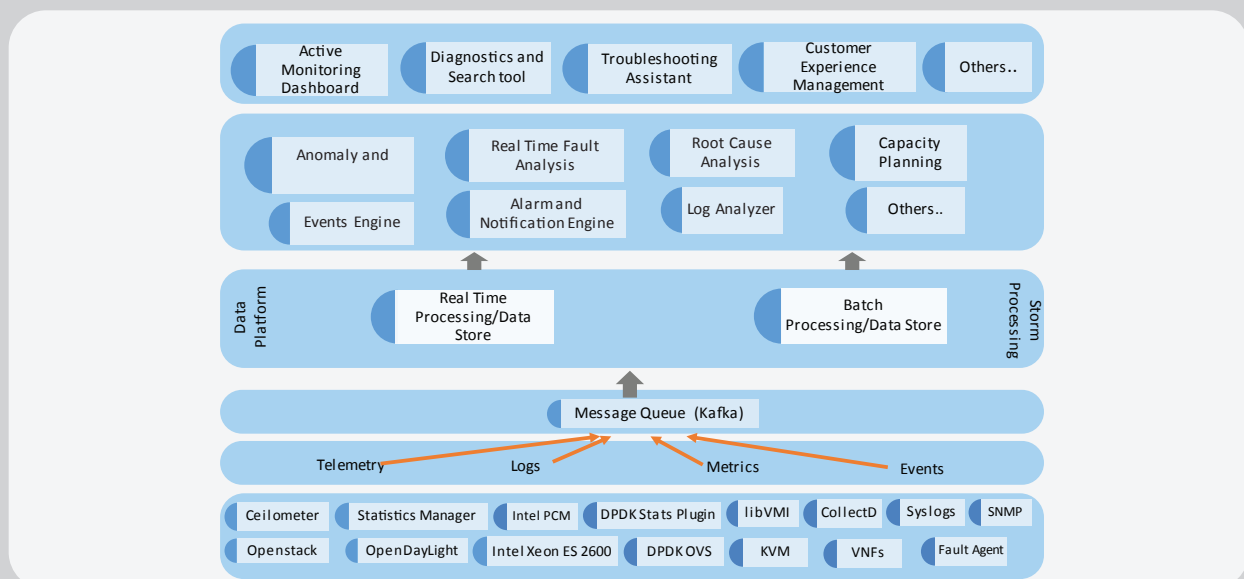# NFV AI ANALYTICS FRAMEWORK

A customizable and extensible framework to provide self-service and orchestration capabilities for VNF & VNFM Telecom Portfolios
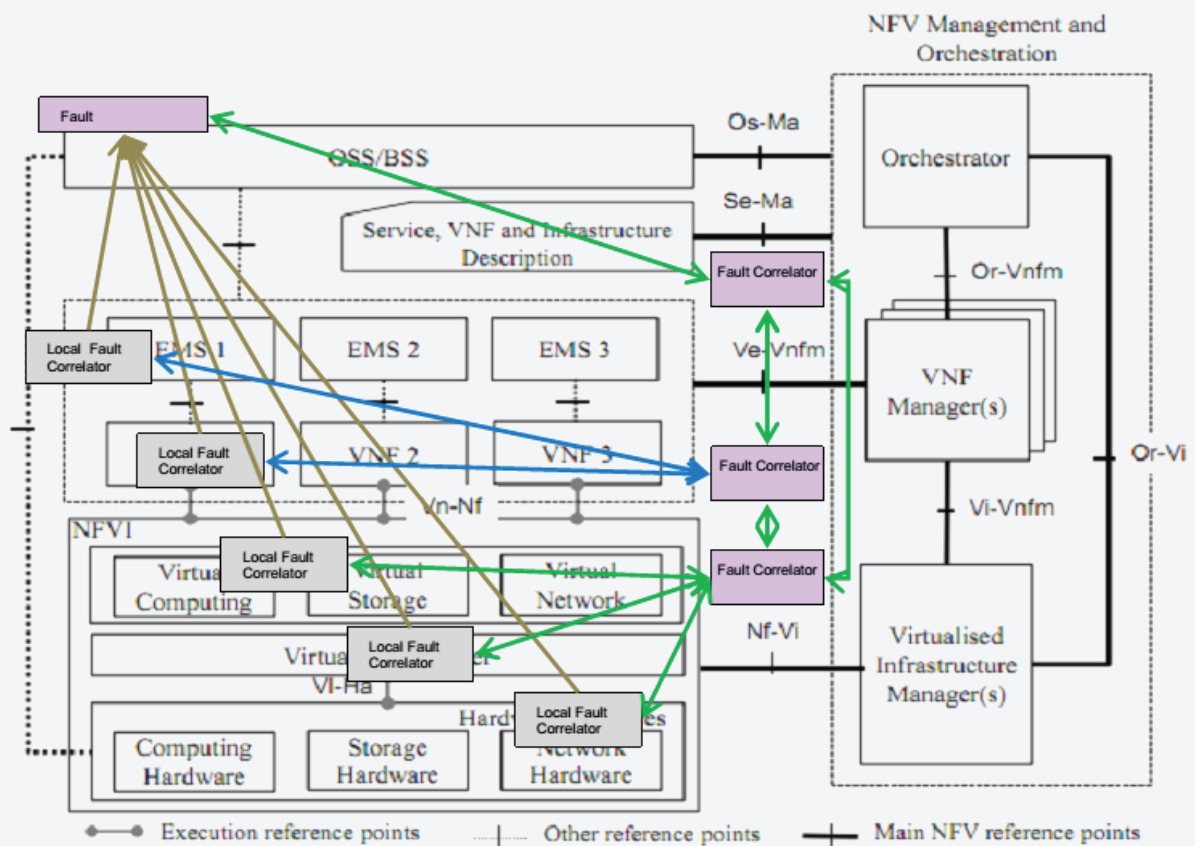
BUSINESS SCENARIOS

- Gartner tracks many industries NPMD, IM, APM, ITOA, NPB now for monitoring and analytics
- SDN / NFV technology operationalization challenges existing silo-ed approach of these tools given complexity arising out of Agility, Quality, Productivity and Customer Centricity expectations
- Big / Fast data led approach is essential to provide end to end customer and service view of operations
- Analytics driven tooling helps not only with pre production environment related troubleshooting with useful offline data correlation but also with continuous stream in production setup

REQUIREMENTS FOR NFV AI ANALYTICS

- Visibility: Network Monitoring and Operational Analytics of Hybrid networks
- Control: Service Assurance platform (Fault and Performance management) that can scale to dynamic needs of agile infrastructure
- Optimization: Troubleshooting at scale to achieve cost efficient "Resolve First, Recover next" continuum
- Customer Experience Management: Realize promise of Self-healing infrastructure through closed loop automation

HCL NFV AI ANALYTICS PLATFORM POSITIONING

HCL VALUE ADD

- Accelerated development of Operational Support System and troubleshooting of Virtual Networks by leveraging fast data tools and libraries

- Reduces Engineering Effort on System Integration of industry standard toolchain towards fault analytics purpose chain up to 60%

- Provides fault management, service assurance and troubleshooting building blocks to monitor and help mature VNFs to web scale performance

- One stop shop for Solution Engineering, Integration and Professional Services for Operational Analytics for Hybrid Networks

For more information, write to **ers.info@hcl.com**

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