

CLAIRVOYANT



design



engineer



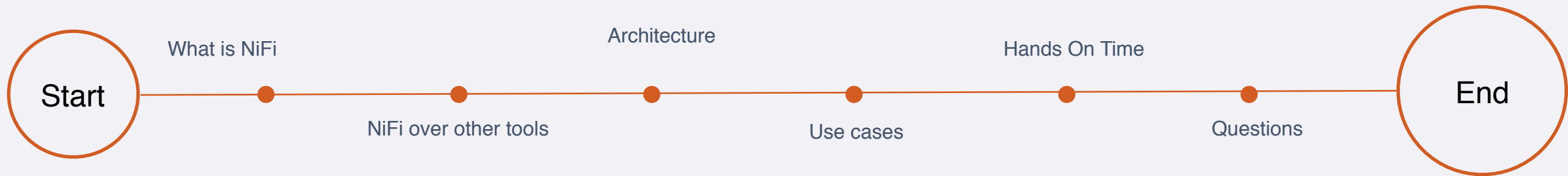
deliver

Apache NiFi with Hortonworks distribution

Clairvoyant Big Data Team, Pune

CLAIRVOYANT

Presentation Agenda



Agenda

- Understanding NiFi
- Building Flow with NiFi
- Creating process Groups
- Creating and Adding templates.
- NiFi operations.
- Understanding data provenance.
- Demo of NiFi flow

What is NiFi

Apache Niagra Files. Automate the flow of data between systems.

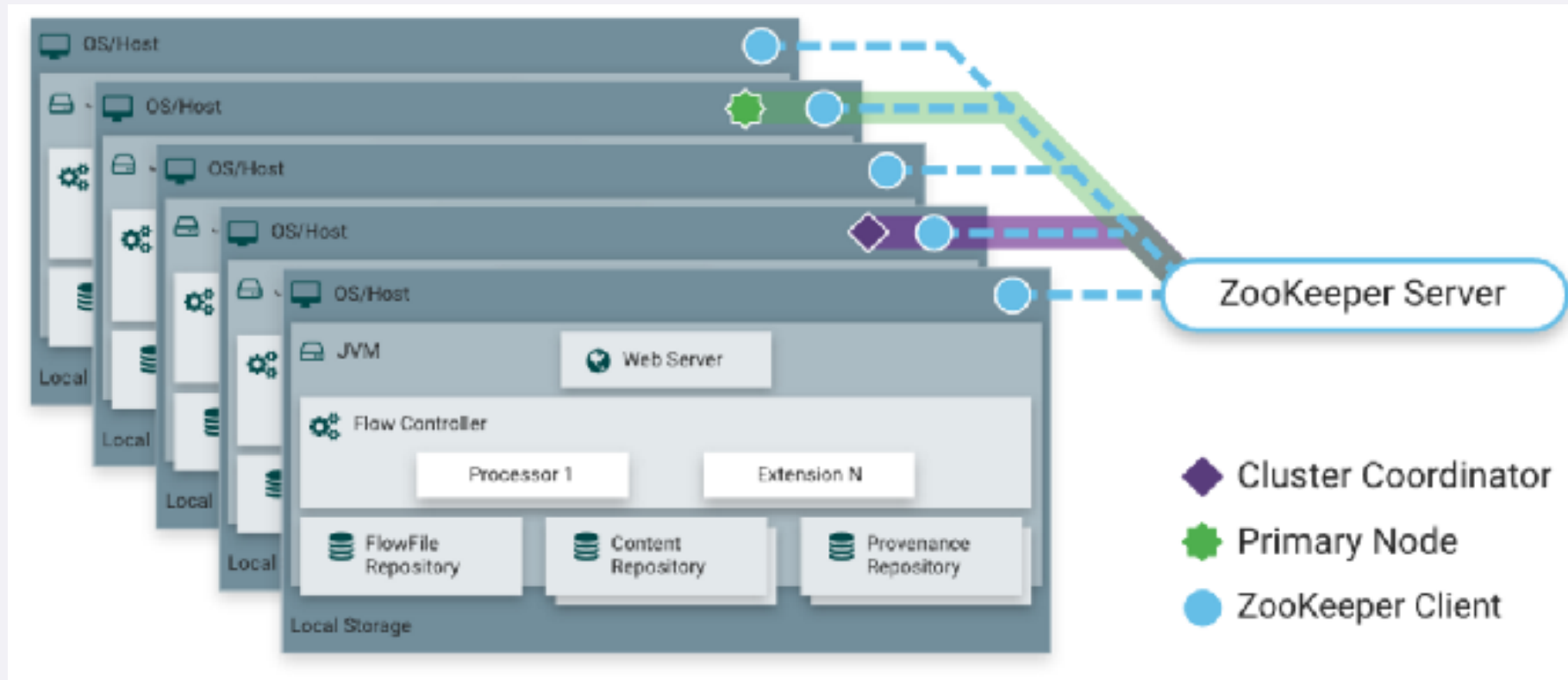
- Highly configurable
- Data Provenance
- Designed for extension
- Security can be added with encryption protocol.
- Flow management
- Web-based user interface

Hortonworks Data Flow:- An integrated platform to collect, conduct and curate real time data moving it from any source to destination.

Why NiFi over other tools

- Dealing with Asynchronous data (jagged/ragged edge nodes)
- Provides security, privacy and data protection at jagged edge nodes.
- Data provenance in regulated environment.
- Real time Bi-directional data flow over traditional one way streaming.
- Data Lineage built-in at fine-grained level.
- A good fit in the IoT space.
- Open Source

Architecture



Use Case 1

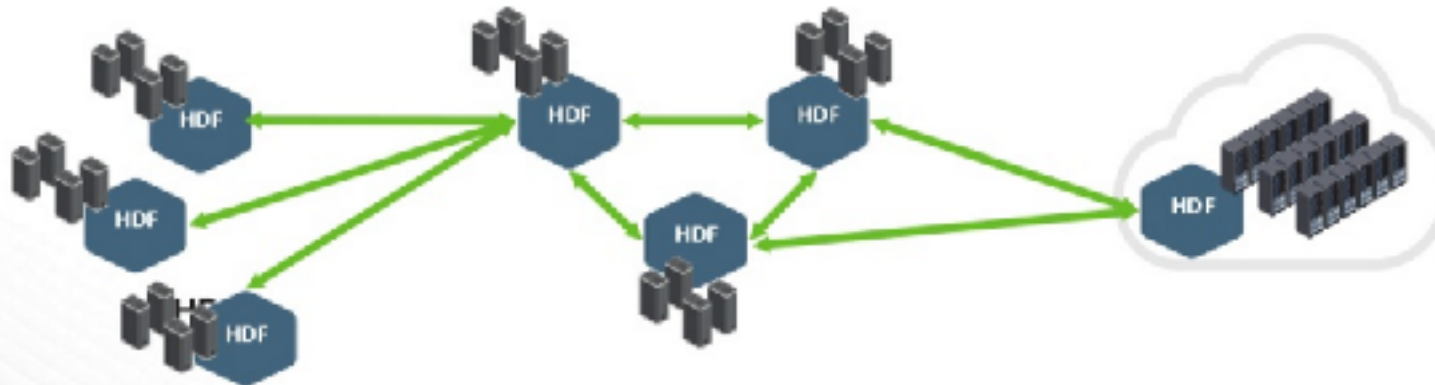
Enterprise Data Movement and Hybrid Cloud

- Seamlessly fuse dataflows between data centers
 - Data center to data center,
 - Remote location to data center,
 - Data center to cloud

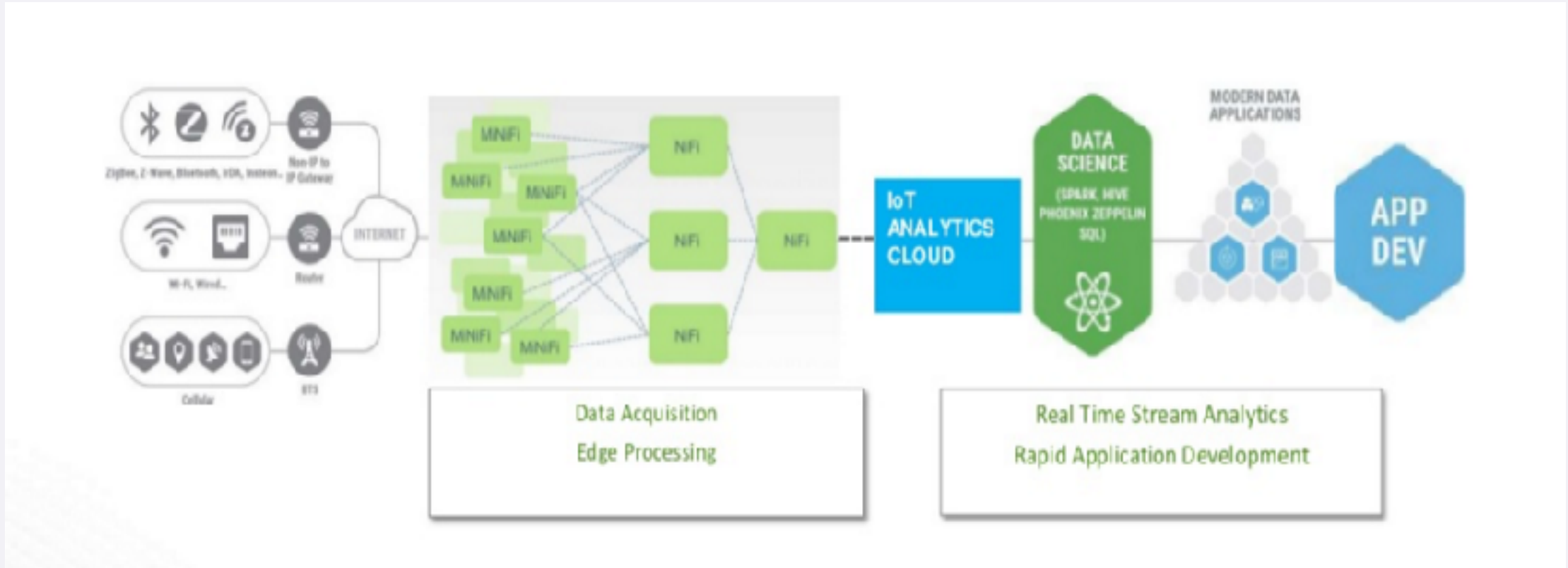
Remote to Data Center

Between Data Centers

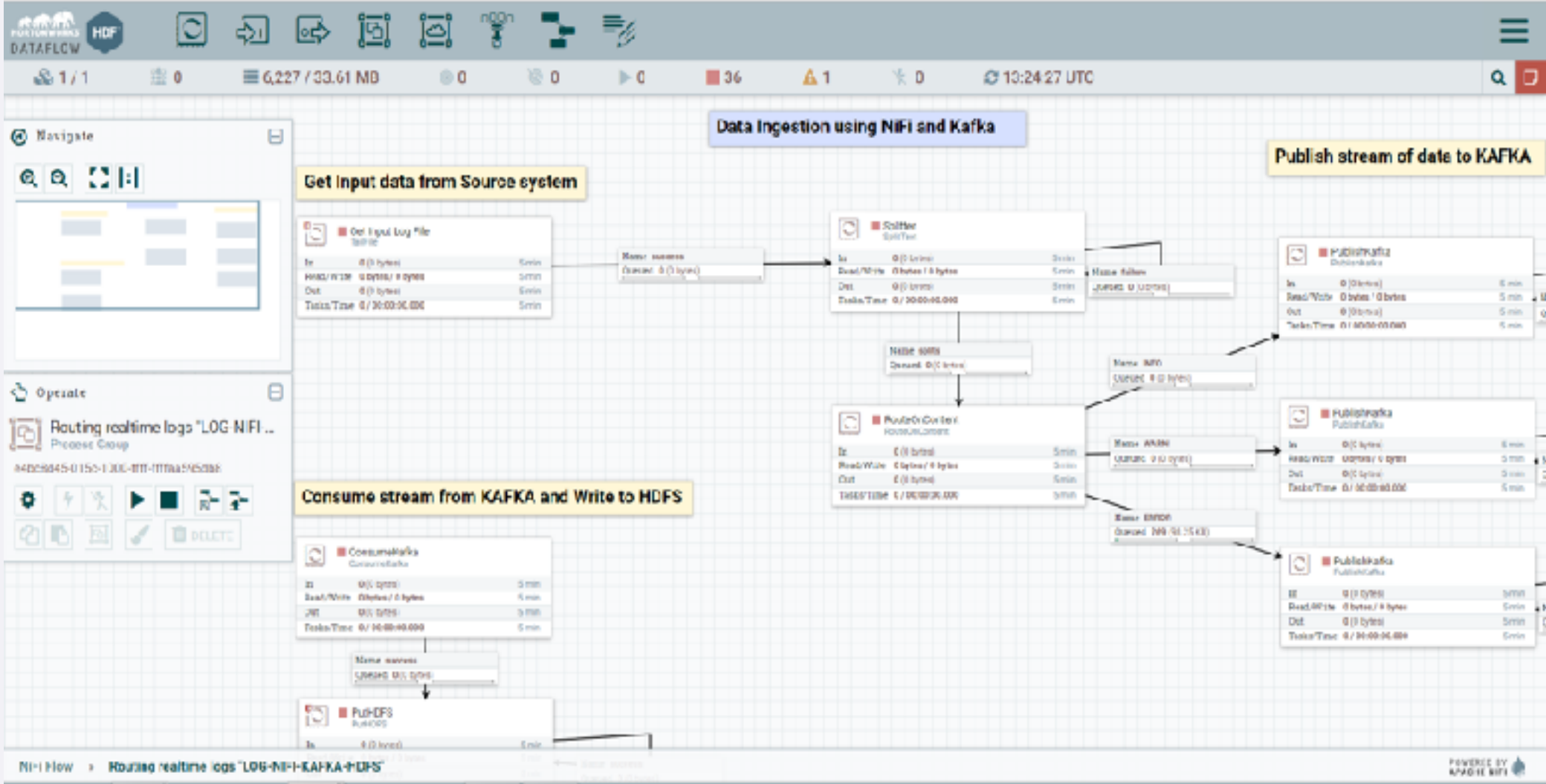
Between Data Centers & Cloud



Use Case 2

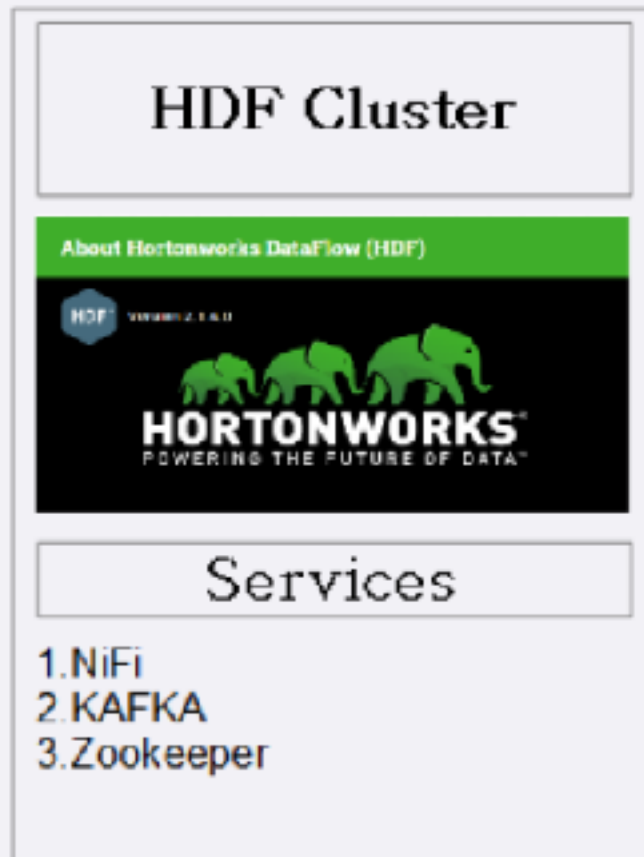


Data Flow for NiFi



Hands on Time

Cluster for HDF-HDP



Powered by NiFi

Think Big, A Teradata Company

GoDataDriven

Payoff

Macquarie Telecom Group

Flexilogix

Slovak Telekom

Dovestech

Onyx Point

Looker

Questions Time

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Leaders ask great questions.