

Measurement Metadata Exchange in an ORCA Slice

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Publish
new identifier \equiv CHANGE SCHEMA

Operator

Operator

Identifier –GEC14

Publish Operation

Original schema

Revised schema

GEC14
Identity(other) = GEC14

GEC14
Identity(other) = GEC14

Experiment
Identity(other) = expt_id
Value = gpo:229

Has policy

Time
Input_rate
Output_rate
Output_error

Time
Input_rate
Output_rate
Output_error

sharing
sharing_policy
transaction_id
transaction_type
transaction_date_time
transaction_info
annotation

Publish
measurements
@ UH

UH

Experimenter

Identifier –GEC14

Search string: Packet Rate

input_rate 170000 bits/sec, 285 packets/sec
output_rate 9324000 bits/sec, 906 packets/sec

UH - RCC

Researcher

Identifier –GEC14

Subscribe

UH-Experiment

Packet-Rate

input_rate 170000 bits/sec,
285 packets/sec
output_rate 9324000 bits/sec,
906 packets/sec

Researcher
Subscribed to
measurements

IF-MAP Server

NLR-LEARN

LEARN
@ UH

SETG /
LEARN

NLR-BEN

RENCI

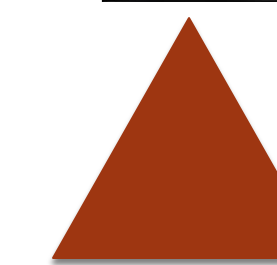
FTP App

VM

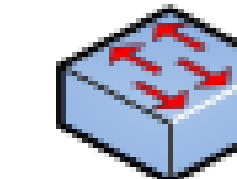
L2 Connection



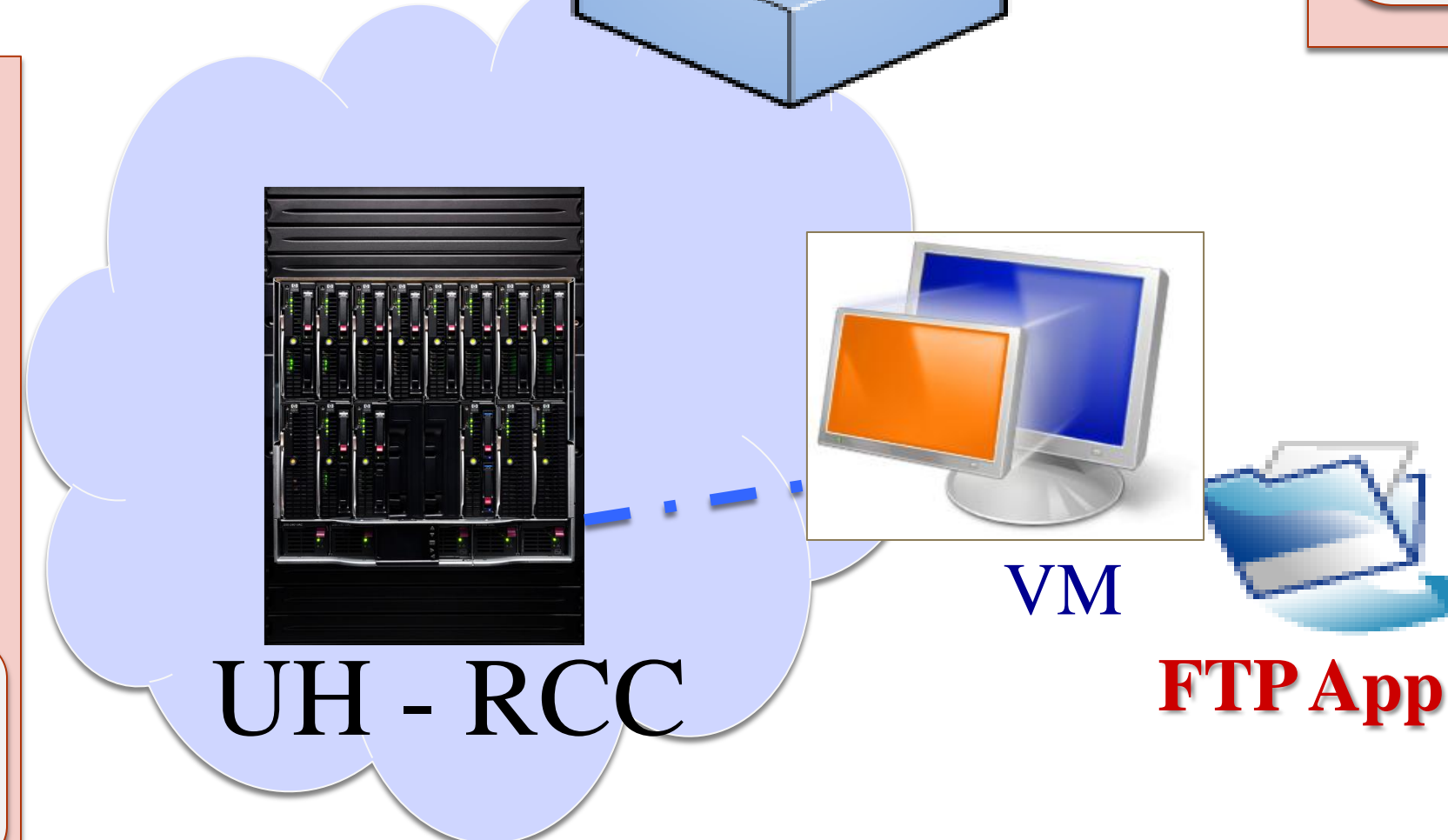
Cluster Server



IF-MAP Client



Network Device



FTP App

VM