



TELEMETRY

Project overview and update

JULIEN DANJOU
GORDON CHUNG

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IRC: GORDC

What does Telemetry do?

- Metering services
- The Telemetry project provides service for data collection, storage and alarming.
- 3 services:
 - Ceilometer
 - Aodh
 - Panko



TELEMETRY

an OpenStack Community Project

Project background

- Founded during the Grizzly release of OpenStack
- 50 contributors for latest release (3 developers doing 80% though)

Latest user survey adoption numbers:

- Deployed: 40% of clouds in production or test phase indicate they are using this project in production, and 15% in test phase



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New features & enhancements for Pike

➔ CEILOMETER-COLLECTOR DEPRECATION

- The collector process has been deprecated and will be removed in Queens. This will simplify the standard telemetry architecture and reduces the load on the message bus.

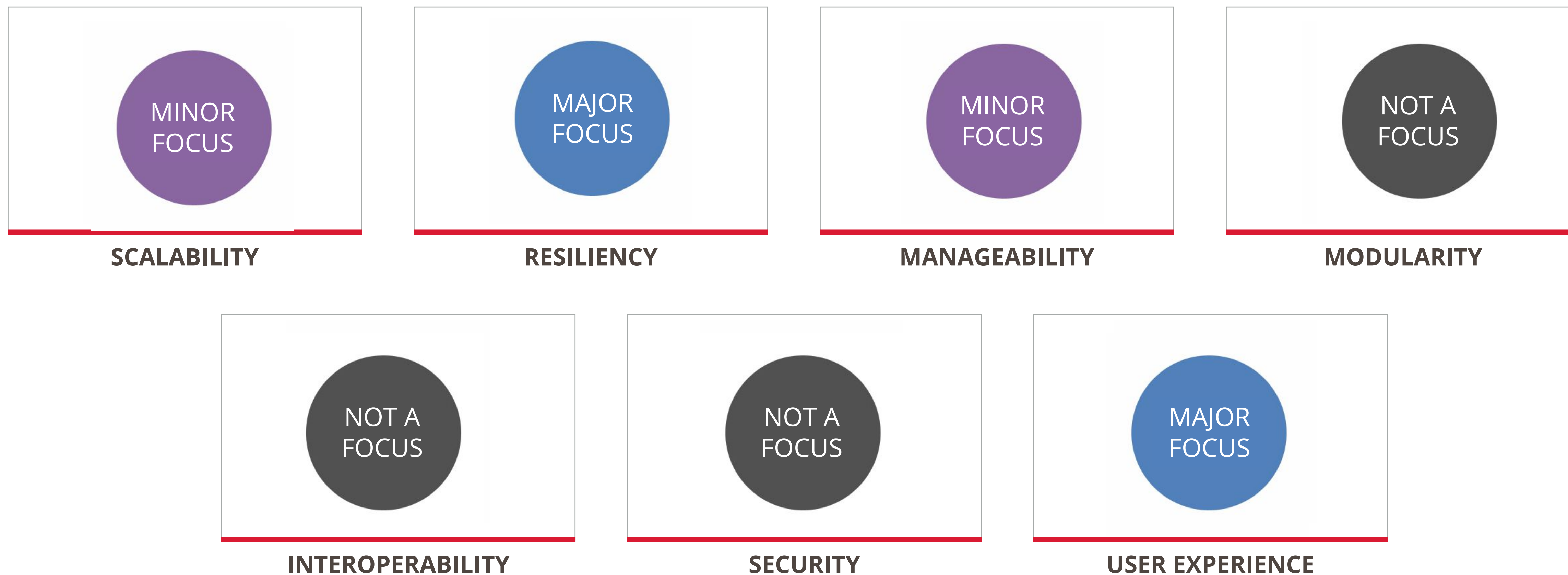
➔ ADD A NEW ZAQAR PUBLISHER.

- New Zaqar publishers allows to send samples and/or events to Zaqar queues.

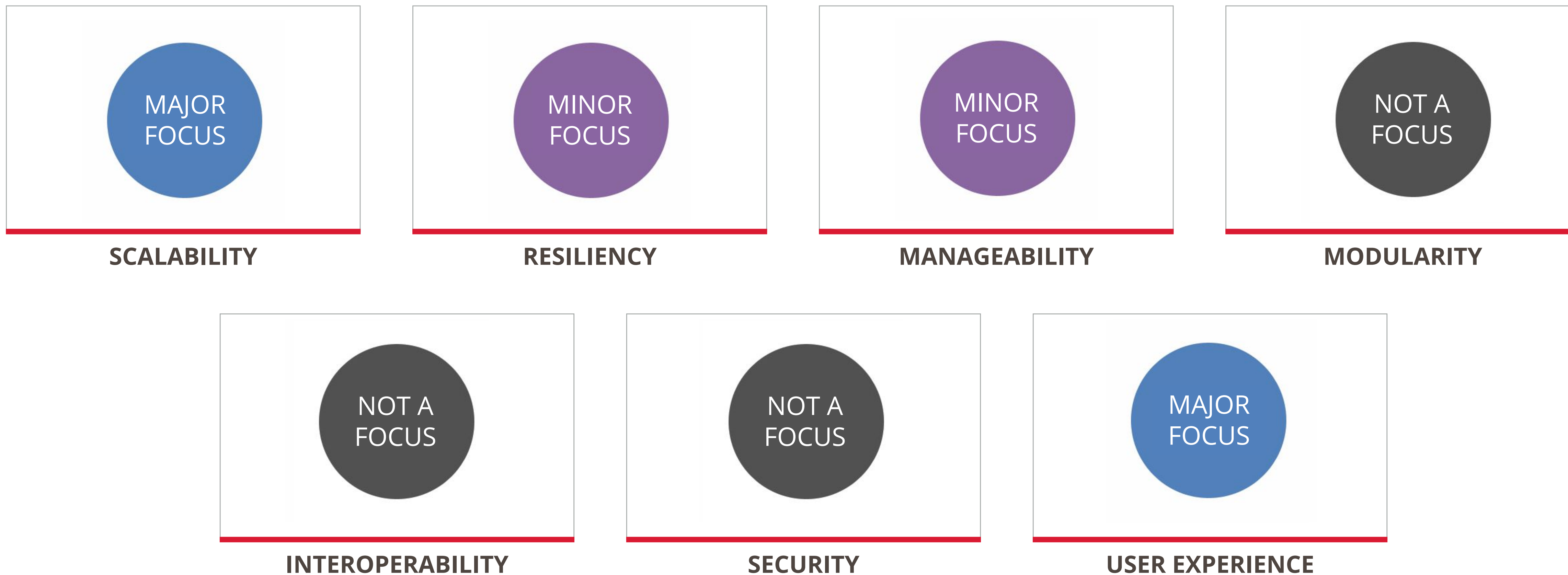
➔ GNOCCHI LEAVING OPENSTACK

- The Gnocchi project moved out of OpenStack. It will remain the default and preferred way to store data for Ceilometer.

Pike release themes for Telemetry



Queens release themes for Telemetry



Possible features & enhancements for Queens

➔ BETTER SCALABILITY FOR CEILOMETER POLLING AGENTS

- Polling agents could be optimized to poll more efficiently.

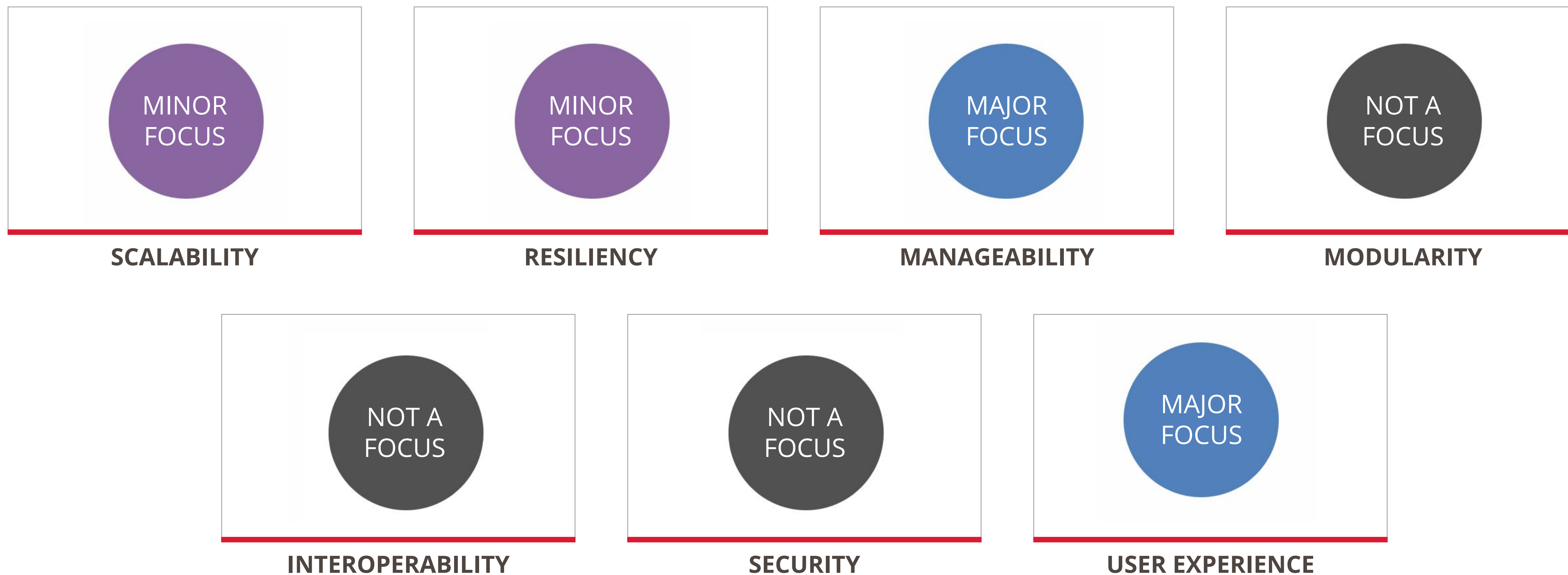
➔ BETTER ALARM EVALUATION SCHEDULING

- The Aodh alarm evaluation scheduler is not necessary smart enough.

➔ BETTER DOCUMENTATION, DEFAULT OPTIONS AND INTROSPECTION

- Merge admin guide and developer documentation and simplify options were possible. Also make sure the services are introspectable.

“R” release themes for Telemetry



We need your help!

- **QUESTION:** Getting more feedback is always great, especially around deployment experiences, scalability, etc.
- **DEVELOPMENT REQUEST:** We definitely need more people to merge all the documentation we have and simplify the deployment and operation process.

THANKS.

Questions?



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