Wind River Subcloud Break-Fix Procedure

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Introduction

This document will describe the steps required to replace a Wind River subcloud server, specifically the portion of the process that is handled by Far-Edge Engineering/Operations. This group is concerned with the installation of Wind River CaaS and the vDU workloads. It is assumed that the prerequisite steps have already been completed. These include but are not necessarily limited to:

- Physical server racking
- Network cabling
- Capturing the serial number and iLO password from the sticker on the bottom of the blade
- Capturing the iLO IPv6 address

What Eng/Ops Needs in the Handoff

Once a new server has been racked and cabled, Far-Edge Eng/Ops needs to be notified so that we can provision the new host. We require three pieces of information in order to do this:

1. The iLO IPv6 address. This is the key for looking up the remainder of the server information in our system.
2. The iLO password. It is printed on a sticker on the bottom of the blade.
3. The blade serial number. It is printed on the same sticker.

Workbench 360 has been proposed as the notification channel.

How to Procure the Subcloud Information

An interim web UI page has been set up to query server information based on the FUZE ID:
https://middleware.vcpfe.vzwops.com/caas/subcloud/

What Eng/Ops Does Next

We will watch the automation pipeline to ensure that the server completes the zero-touch provisioning process successfully.

- On the central controller: dcmanager subcloud unmanage cluster_name
- On the central controller: dcmanager subcloud delete cluster_name
- Disassociate the server record from the old blade record in the middleware database.
- Ingest the new blade info (serial number and password).
- Update icinga to pick up the new model_check service which will relink the server to the new blade.

At this point the server will enter the automation pipeline and proceed just like a normal installation.