Auto-Recovery of AutoDeploy and AutoIT Instances

Revision History

Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	UAS
Applicable Platform(s)	UGP
Feature Default	Enabled - Configuration Required
Related Features in this Release	Not Applicable
Related Documentation	• *Ultra M Solutions Guide* • *Ultra Services Platform Deployment Automation Guide*

Revision History

Revision Details	Release
First introduced.	6.8

Feature Description

This feature automates the recovery of AutoDeploy and AutoIT instances in KVM and OpenStack environment when any of the instances are inactive. This functionality can be achieved using the **boot_uas.py** script.

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Important   The auto-recovery mechanism works only in the HA mode.

To perform the auto-recovery of AutoDeploy instance, use the following script from a bare metal server:

./boot_uas.py --kvm --autodeploy --hostname *HOSTNAME* **--recover** *RECOVERY ID*

To perform the auto-recovery of AutoIT instance, use the following script from the bare metal server:

./boot_uas.py --kvm --autoit --hostname *HOSTNAME* **--recover** *RECOVERY ID*

The description of the options in the script is as follows:

Options	Description
--kvm	Specifies the recovery of the AutoDeploy or AutoIT instance from KVM (bare metal server). **Important** Recovery of the AutoDeploy and AutoIT instances in the OpenStack environment uses the same script but replacing the **kvm** option with **openstack** option in the script.
--autodeploy	Specifies the recovery of the AutoDeploy instances.
--autoit	Specifies the recovery of the AutoIT instances.

Options	Description

--hostname	Specifies the hostname of the instance to recover.
	
	Each of the AutoDeploy and AutoIT instances has one instance ID that is used to identify the instance to recover in the HA mode. So, setting this option is mandatory.
	
	To determine the hostname, follow these steps:
	
	In the OpenStack environment:
	
	1. Navigate to the */opt/cisco/uas-deployments* directory path.
	
	2. Use the **grep** command with the image name, which is used at the time of deployment of the AutoDeploy and AutoIT, to identify the deployment ID.
	
	   For example : **grep -nr "64regression-image" ***
	
	3. Open the text file that corresponds to the identified deployment ID and check the value of the "name" key in the file.
	
	   Note The value of the name key is the hostname.
	
	In the KVM environment: Use the hostname that was already configured during the deployment of AutoIT and AutoDeploy. Otherwise, log on to the AutoIT or AutoDeploy node and obtain the hostname from the active node.

Options	Description
--recover	**In the KVM environment:** Specifies the recovery value as an instance ID. Use this value to identify the unique deployment. **Note** The deployment ID for the AutoDeploy and AutoIT is available at the */var/cisco/AutoDeploy* and */var/cisco/AutoIT* directory paths, respectively. **In the OpenStack environment:** Specifies the recovery value as a deployment ID. Use this value to identify the unique deployment. **Note** The deployment ID for AutoDeploy and AutoIT is available at the */opt/cisco/uas-deployments* directory path. To identity the deployment ID, use the **grep** command with the image name, which is used at the time of deployment of the AutoDeploy and AutoIT. For example : **grep -nr "64regression-image" ***