HyperCloud Use Cases
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From sections 9-13 in HyperCloud University at http://hypercloud.training/lesson/introduction/

EXAMPLE, IGNORE Section 8: (Compute Service) Registering HyperCloud Compute Service (HCS)

Use Case 1: Registering HyperCloud Compute Service (HCS)
Summary: A user with tenant administrator privileges (or has cloud provider admin role) can register a HyperCloud compute service provider.
Actor: User with tenant administrator privileges (or cloud provider admin role)
Precondition: User is logged in to HyperCloud.
Description:

1. User clicks on “Cloud Providers” tab on left-hand HyperCloud bar.
2. User clicks blue “New” drop-down menu.
3. User selects “Compute Service (HCS)” beneath HyperCloud section.

Alternatives:

1. If user is a HyperGrid customer, this process is already completed.

Section 9 & 11: (Compute Service) Provisioning VMs Using a UI-based Workflow & Provisioning VMs from the Self-Service Library

Use Case 1: Provisioning VMs
Summary: A user can set up and manage VMs using HyperCloud UI-based workflow.
Actor: User
Precondition: User must have freeform UI provision feature enabled as an advanced property in registered compute service and must be logged in. User must have registered a compute service provider
Description:

1. User clicks on “Virtual Machines” tab on left-hand HyperCloud bar.
2. User is brought to Virtual Machines page.
3. User clicks blue “New” drop-down menu.
4. User selects “HyperCloud” beneath “Enterprise Clouds” section.
5. User is brought to VM provision form.
6. User selects the compute service provider that is registered to them next to “Selected Provider” header.
7. User selects a memory a disk size next to “Selected Size” header.
8. User selects an .iso or .vhdx image next to “Select an Image” header.
9. User selects a VLAN network next to “Select a Network” header.

10. User designates how many VMs he/she wishes to run beneath “Finalize and Create” header.
11. User clicks create.

Alternatives:

1. User may enable “Highly Available” option beneath “Advanced”.
2. User may designate an install agent if one is not already installed beneath “Advanced”.
3. User may change VM name prefix beneath “Advanced”.
4. User may override default node beneath “Advanced”.
5. User may override default cluster beneath “Advanced”.
6. User may view provisioned VM execution log.
7. User may change VM license to auto-include or an already specified lease in “Advanced Configuration”.

Section 10: (Compute Service) Creating Machine Blueprints

Use Case 1: Creating a VM Blueprint

Summary: A user can utilize the HyperCloud self-service library to choose VM services published by IT to their IT-defined entitlements.

Precondition: A user must be logged in.

Description:

1. User creates a new VM as described in Section 9 & 11
2. User is presented with “Equivalent Machine Compose” window containing YAML text block.
3. User copies YAML text block.
4. User clicks on “Library” tab on left-hand HyperCloud bar.
5. User is brought to Library page.
6. User clicks blue “New” drop-down menu.
7. User selects “Machine Compose” beneath “Infrastructure” section.
8. User is brought to VM editor page.
9. User fills in and/or selects required Name, Description, Blueprint Type, and Cloud Provider.
10. User pastes in YAML text block into YAML fill-in.
11. User clicks “Save Changes”.
12. User is taken back to Library page with a green “Changes saved successfully!” notification popup.

Alternatives:

1. User has all alternative options in VM provisioning as in Section 9 & 11.
2. User may change VM version in “Advanced Configuration”.
3. User may change VM profile image in “Advanced Configuration”.
4. User can pick which cloud provider the VM is associated with in “Advanced Configuration”.
5. User can add customizable parameters in “Advanced Configuration”.

6. User can change VM user entitlements in “Advanced Configuration”.

Section 12: (Compute Service) Monitoring & Troubleshooting Performance Issues in VMs

Use Case 1: Monitoring & Troubleshooting VM Performance Issues.
Summary: A user can monitor VM performance information in HyperCloud.
Precondition: A user must have created at least one VM and must be logged in.
Description:

1. User clicks on “Virtual Machines” tab on left-hand HyperCloud bar.
2. User clicks on one of his/her’s previously created VMs.
3. User is brought to VM Overview page.
4. User clicks on “Monitoring” tab.
5. User is brought to VM monitoring information page.

Alternatives:

1. User clicks “Custom” on VM monitoring information page.
2. User clicks “Daily” on VM monitoring information page.

Section 13: (Compute Service) Accessing the In-Browser Terminal to Track Configuration Drift

Use Case 1: Accessing In-Browser Terminal and Tracking Configuration Drift
Summary: A User can access the in-browser terminal to track VM configuration
Precondition: A user must have created at least one VM and must be logged in
Description:

1. User clicks on “Virtual Machines” tab on left-hand HyperCloud bar.
2. User clicks on one of his/her’s previously created VMs.
3. User is brought to VM Overview page.
4. User clicks on blue “Actions” tab and selects “Terminal”.
5. User is presented with VM terminal window.

Alternatives: