

# Create Deployment Plans

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Deployment Plans are pairings of OS Build Plans and Golden Images. After the appropriate HudsonAlpha Artifact Bundle has been extracted to Image Streamer and the CentOS 7.3 Golden Image has been created, you are ready to create a Deployment Plan.

Begin by connecting to the Image Streamer UI. Select “Deployment Plans” from the main menu. Click “Create Deployment Plan” and type a Name and Description. In the pull-down menus, choose the HudsonAlpha OS Build Plan that corresponds to your project and the CentOS 7.3 Golden Image. Any custom attributes used in the OS Build Plan Scripts will automatically be shown. Custom attributes values are assigned via Python -- do not assign any custom attribute values in the UI.

Follow the steps below to create a Deployment Plan for your project(s). Once the Deployment Plan has been created, you are ready to provision Synergy resources via the Image Streamer using Python scripts and REST API.

## 1.0 Create OpenStack all-in-one Deployment Plan

Create Deployment Plan

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General

Name

OpenStack all-in-one

Description

Installs Newton OpenStack controller and compute, all-in-one. Assumes profile has 2 FlexNICs (network set with untagged VLAN) and 2 DAS disks in HBA (non-RAID) mode

Plan Attributes

OS build plan


HudsonAlpha\_OpenStack\_all-in-one

Custom attributes

Name	Type	Constraint	Visible on deployment	Value
▶ NEUTRON_EXT_CIDR	string		<input checked="" type="checkbox"/>	<div></div>
▶ IP_ALLOC_POOL_END	string		<input checked="" type="checkbox"/>	<div></div>
▶ VLAN_ID	string		<input checked="" type="checkbox"/>	<div>0</div>
▶ NIC1	nic	ipv4static:true parameters:mac	<input checked="" type="checkbox"/>	n/a
▶ NIC2	nic	ipv4static:true parameters:mac	<input checked="" type="checkbox"/>	n/a
▶ IP_ALLOC_POOL_START	string		<input checked="" type="checkbox"/>	<div></div>
▶ SERVER_GW	string		<input checked="" type="checkbox"/>	<div></div>
▶ SERVER_IP	string		<input checked="" type="checkbox"/>	<div></div>
▶ NEUTRON_EXT_GW	string		<input checked="" type="checkbox"/>	<div></div>
▶ SERVER_MASK	string		<input checked="" type="checkbox"/>	<div></div>
▶ DATADOG_TAG	string		<input checked="" type="checkbox"/>	<div></div>
▶ DNS_IP	string		<input checked="" type="checkbox"/>	<div></div>
▶ FQDN	string		<input checked="" type="checkbox"/>	<div></div>

Golden image

CentOS 7.3 Golden Image

 4

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Create

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Click “Create”

## 2.0 Create OpenStack compute Deployment Plan

Create Deployment Plan

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General

Name

OpenStack Compute

Description

Includes NIC bonding, DataDog agent, Consul agent, and a single DAS disk (with mulipathing) for nova

Plan Attributes

OS build plan

HudsonAlpha\_OpenStack\_compute

Custom attributes	Name	Type	Constraint	Visible on deployment		Value
	SERVER_MASK	string		<input checked="" type="checkbox"/>		<input type="text"/>
	VLAN_ID	string		<input checked="" type="checkbox"/>		<input type="text" value="0"/>
	DATADOG_TAG	string		<input checked="" type="checkbox"/>		<input type="text"/>
	NIC1	nic	ipv4static:true parameters:mac	<input checked="" type="checkbox"/>		n/a
	NIC2	nic	ipv4static:true parameters:mac	<input checked="" type="checkbox"/>		n/a
	SERVER_GW	string		<input checked="" type="checkbox"/>		<input type="text"/>
	DNS_IP	string		<input checked="" type="checkbox"/>		<input type="text"/>
	SERVER_IP	string		<input checked="" type="checkbox"/>		<input type="text"/>
	FQDN	string		<input checked="" type="checkbox"/>		<input type="text"/>

Golden image

CentOS 7.3 Golden Image

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### 3.0 Create Docker CentOS 7.3 Deployment Plan

Create Deployment Plan

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General

Name

Docker CentOS 7.3

Description

Includes NIC bonding (network set can be tagged or untagged VLAN), Consul agent, Docker, DataDog agent, and DAS multipathing support

Plan Attributes

OS build plan


HudsonAlpha\_Docker\_CentOS7.3

Custom attributes

Name	Type	Constraint	Visible on deployment	Value
VLAN_ID	string		<input checked="" type="checkbox"/>	0
DATADOG_TAG	string		<input checked="" type="checkbox"/>	
NIC1	nic	ipv4static:true parameters:mac	<input checked="" type="checkbox"/>	n/a
NIC2	nic	ipv4static:true parameters:mac	<input checked="" type="checkbox"/>	n/a
FQDN	string		<input checked="" type="checkbox"/>	

Golden image

CentOS 7.3 Golden Image

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Create

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Click “Create”