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Technical Documentation

HPE Synergy Image Streamer Foundation Artifacts Documentation

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1 Image Streamer Foundation Artifact Bundle

The Image Streamer Foundation Artifact Bundle includes artifacts which are helpful to basic Image Streamer operation which are not specific to any particular OS type.

1.1 Foundation Build Plans

1.1.1 Sample deploy Build Plan: HPE – Foundation – create empty OS Volume

Create an empty OS Volume which may be used as the target device for installing an OS so that the resulting OS Volume may be captured into a new Golden Image.

Steps: Plan Script Names	Attributes
create empty OS Volume	VolumeSize (number)

Step: create empty OS Volume

- An OS Deployment Plan which includes the VolumeSize attribute and does not have a Golden Image will result in creation of a new (empty) OS Volume during deployment.
- A user Build Plan may include additional steps and scripts which modify the newly created OS Volume. For example, to create partitions or file systems in preparation for OS install.
- VolumeSize (number)
Size of OS Volume to be created in MiB. This is a special attribute which is recognized by the Image Streamer.

1.1.2 Sample deploy Build Plan: HPE – Foundation – deploy Golden Image as is

Deploy Golden Image to create OS Volume with no personalization. This plan may be used to test a new Golden Image or restore an OS Volume. This Build Plan has no steps since the purpose of the plan is to make no OS Volume modifications.

Steps: Plan Script Names	Attributes
(none)	(none)

1.1.3 Sample capture Build Plan: HPE – Foundation – capture OS Volume as is

Capture OS Volume to Golden Image with no generalization. This plan may be used to test simple redeployment of a newly installed OS. This Build Plan has no steps since the purpose of the plan is to make no OS Volume modifications.

This plan may be used to backup an OS Volume. However, the Image Streamer has limited storage. The Image Streamer is not intended as an OS backup device.

Steps: Plan Script Names	Attributes
(none)	(none)

1.2 Foundation Plan Scripts

1.2.1 Sample deploy Build Plan: create empty OS Volume

Create new empty OS Volume that may be used for install of an OS from install media or network install source.

Attributes:

- VolumeSize (number)
Size of OS Volume to be created in MiB. This is a special attribute which is recognized by the Image Streamer.

1.2.2 Sample deploy Build Plan: add example messages to log

Add log message to Image Streamer OS deployment log.

Attributes:

- ExampleMessage (string)
String to be added to Image Streamer OS deployment log.

1.3 Notes about constructing the UEFI Test Volume

UEFI Test Volume Create:

```
parted /dev/sdb  
  
(parted) mkpart ESP fat32 1MiB 100MiB  
  
(parted) set 1 boot on  
  
mkdosfs -F 32 -l /dev/sdb1
```

Ref:

<https://github.com/tianocore/edk2/tree/master/ShellBinPkg/UefiShell/X64>