

SDP Windows to Linux Migration Guide

Perforce Professional Services

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Preface

This guide documents the process for migrating a Helix Core service from Windows to Linux.

A common scenario is that an on-premises (on-prem) Windows Helix Core service is being migrated to a cloud server, perhaps in AWS, Azure, or GCP.

Please Give Us Feedback

Perforce welcomes feedback from our users. Please send any suggestions for improving this document to consulting@perforce.com.

Chapter 1. Overview

A Migration has these elements:

- Deploy New Linux Server machine
- Upgrade P4D to 2019.2+ on Windows
- Setup of a server spec for a Linux Replica on the Windows master.

Each of these components is covered, in detail, in this guide.

1.1. Deploy New Linux Server machine

1.1.1. Select Operating System

As of this writing, the best options are:

- Ubuntu 20.04 (not 22.04 just yet)
- RHEL/Rocky Linux 8 (not 9 just yet)
- Amazon Linux 2 (not Amazon Linux 2023 just yet)

Use the Helix Installer, do a Configured Install:

```
su -
mkdir -p /hxdepots/reset
cd /hxdepots/reset
curl -L -s -O
https://swarm.workshop.perforce.com/download/guest/perforce_software/helix-
installer/main/src/reset_sdp.sh
chmod +x reset_sdp.sh
./reset_sdp.sh -C > settings.cfg
```

In `settings.cfg`, change these settings:

- DNS_name_of_master_server=
- SiteTag=
- P4_PORT=
- Instance=
- Password=
- CaseSensitive=
- P4USER=
- ServerID=
- ServerType=

- P4BinRel=
- P4APIRel=

Then run the script:

```
./reset_sdp.sh -no_sd -c settings.cfg 2>&1 | tee log.reset_sdp.txt
```

```
su - perforce
p4 set
```

```
cd /p4/common/site
[[ -d config ]] || mkdir config
cd config
```

Temporary Hack:

```
vi /p4/common/site/config/p4_N.vars.local
```

```
export P4MASTER_ID=Master
export P4MASTERPORT=120.2:43430
export P4PORT=$P4MASTERPORT
```

```
vi /p4/common/config/.p4passwd.p4_mocap.admin
```

```
p4login -v
```

```
cd /p4/common/config vi SiteTags.cfg
```

azwestus2: Azure data center

Modify rprotections to add:

Add to Protections:

```
super group ServiceUsers * //...
```

```
mkrep.sh -t fs -s azwestus2 -r TestMachine
```

Undo Temporary Hack:

```
vi /p4/common/site/config/p4_N.vars.local
```

```
#export P4MASTER_ID=Master  
#export P4PORT=$P4MASTERPORT  
export P4MASTERPORT=120.2:43430
```

Appendix A: Why Migrate?

Appendix B: Why Migrate?

EDITME - add content later.