

Witnessed Build Procedure

To perform the Witnessed Build, one Linux build machine, in four configurations (hard drives) was used to make the Linux OS installation CD's. An XP build machine was used to make the application installation CD's. Each build machine had its own build document and COTS software along with ILTS provided scripts, data, and source which were used to create the installation CD's.

The OVO Linux OS installation CD was built on a CentOS Linux system per the following steps:

1. The hard drive was scrubbed using Active Kill Disk writing zeroes and ones to all of the drive.
2. The step by step instructions in the Unisyn OVO Trusted Build document were followed to build the OVO Linux installation CD.
3. The CentOS OS was installed.
4. MD5's were created for each disk file and a pre image was made of the hard drive.
5. The COTS software was downloaded and installed.
6. Scripts and manual steps were executed to harden the OS environment.
7. The OVO installation CD was created.
8. MD5's were created for each disk file and a post image was made of the drive.

The OVI Linux OS installation CD was built on a CentOS Linux system per the following steps:

1. The hard drive was scrubbed using Active Kill Disk writing zeroes and ones to all of the drive.
2. The step by step instructions in the OVI Trusted Build document were followed to build the OVI Linux installation CD.
3. The CentOS OS was installed.
4. MD5's were created for each disk file and a pre image was made of the hard drive.
5. The COTS software was downloaded and installed.
6. Scripts and manual steps were executed to harden the OS environment.
7. The OVI installation CD was created.
8. MD5's were created for each disk file and a post image was made of the drive.

The OCS Linux OS installation CD was built on a CentOS Linux system per the following steps:

1. The hard drive was scrubbed using Active Kill Disk writing zeroes and ones to all of the drive.
2. The step by step instructions in the OCS Trusted Build document were followed to build the OCS Linux installation CD.
3. The CentOS OS was installed.
4. MD5's were created for each disk file and a pre image was made of the hard drive.
5. The COTS software was downloaded and installed.
6. Scripts and manual steps were executed to harden the OS environment.

Witnessed Build Procedure (continued)

7. The OCS installation CD was created.
8. MD5's were created for each disk file and a post image was made of the drive.

The OVCS Linux OS installation CD was built on a CentOS Linux system per the following steps:

1. The hard drive was scrubbed using Active Kill Disk writing zeroes and ones to all of the drive.
2. The step by step instructions in the OVCS Trusted Build document were followed to build the OVCS Linux installation CD.
3. The CentOS OS was installed.
4. MD5's were created for each disk file and a pre image was made of the hard drive.
5. The COTS software was downloaded and installed.
6. Scripts and manual steps were executed to harden the OS environment.
7. The OVCS installation CD was created.
8. MD5's were created for each disk file and a post image was made of the drive.

The ILTS applications were built on an XP Windows system per the following steps:

1. The hard drive was scrubbed using Active Kill Disk writing zeroes and ones to all of the drive.
2. The step by step instructions in the Trusted Build Applications document were followed to build the ILTS applications.
3. The Windows XP OS was installed.
4. MD5's were created for each disk file and a pre image was made of the hard drive.
5. The COTS software was downloaded and installed.
6. The ILTS source was copied to the drive.
7. MD5's were created for each disk file and a source image was made of the drive.
8. The applications were built and the applications installation CD's were created for OVO, OVI, OCS, and OVCS.
9. MD5's were created for each disk file and a post image was made of the drive.