

Witness Build Procedure

The Witness Build process used one build machine with four hard drives, one for each application built (EMS, ICC, ICE, and ICP). Each application had its own build document and COTS software along with build scripts, and source which were used to create the installation disks.

The EMS v4.6.07 application was built using the following steps:

1. The build machine was scrubbed using DBAN to writing zeroes to all of the hard drive.
2. The step by step instructions in the “EMS Build Environment Install Document Windows 2008 R2 v1.6.0_1” build document was followed to build the EMS installation disk.
3. The COTS packages were installed on the build machine.
4. A pre-source image of the build machine hard drive was created.
5. A sha1 hash of every file on the build machine hard drive was created.
6. The source was loaded on the build machine.
7. A post-source image of the build machine hard drive was created.
8. A sha1 hash of every file on the build machine hard drive was created.
9. Scripts and manual steps were executed to create the EMS installation disk.
10. A final image of the build machine hard drive was created.
11. A sha1 hash of every file on the build machine hard drive was created.
12. The build files were stored in the Wyle repository and the Wyle build documentation was completed.

The ICC v4.6.3 application was built using the following steps:

1. The build machine was scrubbed using DBAN to writing zeroes to all of the hard drive.
2. The step by step instructions in the “Image Cast Central Build Environment Setup v1.1.1” and “Image Cast Central Software Build Procedure v2.0.3” build documents were followed to build the ICC installation disk.
3. The COTS packages were installed on the build machine.
4. A pre-source image of the build machine hard drive was created.
5. A sha1 hash of every file on the build machine hard drive was created.
6. The source was loaded on the build machine.
7. A post-source image of the build machine hard drive was created.
8. A sha1 hash of every file on the build machine hard drive was created.
9. Scripts and manual steps were executed to create the ICC installation disk.
10. A final image of the build machine hard drive was created.
11. A sha1 hash of every file on the build machine hard drive was created.
12. The build files were stored in the Wyle repository and the Wyle build documentation was completed.

The ICE v4.6.2.3 application was built using the following steps:

1. The build machine was scrubbed using DBAN to writing zeroes to all of the hard drive.
2. The step by step instructions in the “Image Cast Evolution Build Procedure” and “Image Cast Evolution Firmware Installation Procedure” build documents were followed to build the ICE installation disk.
3. The COTS packages were installed on the build machine.
4. A pre-source image of the build machine hard drive was created.
5. A sha1 hash of every file on the build machine hard drive was created.
6. The source was loaded on the build machine.
7. A post-source image of the build machine hard drive was created.
8. A sha1 hash of every file on the build machine hard drive was created.
9. Scripts and manual steps were executed to create the ICE installation disk.
10. A final image of the build machine hard drive was created.
11. A sha1 hash of every file on the build machine hard drive was created.
12. The build files were stored in the Wyle repository and the Wyle build documentation was completed.

The ICP v4.6.4 application was built using the following steps:

1. The build machine was scrubbed using DBAN to writing zeroes to all of the hard drive.
2. The step by step instructions in the “Image Cast Precinct FIRMWARE Build and Install Document Version 4.2.9” build document were followed to build the ICP installation disk.
3. The COTS packages were installed on the build machine.
4. A pre-source image of the build machine hard drive was created.
5. A sha1 hash of every file on the build machine hard drive was created.
6. The source was loaded on the build machine.
7. A post-source image of the build machine hard drive was created.
8. A sha1 hash of every file on the build machine hard drive was created.
9. Scripts and manual steps were executed to create the ICP installation disk.
10. A final image of the build machine hard drive was created.
11. A sha1 hash of every file on the build machine hard drive was created.
12. The build files were stored in the Wyle repository and the Wyle build documentation was completed.

