Keysight Hawkeye 6.0.7-57 Release Notes

Build Number: 6.0.7-57, July 30th, 2026

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About This Release

Hawkeye Server 6.0.7 release is a general availability release on a Debian 12 platform. Existing customers should install the new 6.0.1 as a fresh install and follow the steps set in the migration document to migrate from Hawkeye 5.5.5 to Hawkeye 6.0.1. Customers then subsequently can upgrade to Hawkeye 6.0.7. Please note, that if you are in any release before Hawkeye 5.5.5, please update to Hawkeye 5.5.5 before attempting the migration. For New customers, an OVA or QCOW2 of 6.0.7 will be available to install.

Installation Notes

- Hawkeye 6.0.7 management system has a web user interface and requires no client-side installation.
- The management server is distributed as a virtual image in OVA or Qcow2 and can be deployed to a VMware or KVM hypervisor.

Hawkeye Server 6.0.X Installation

This section covers deployment requirements and basic initial configuration of the Hawkeye VM.

Support for Virtualization Products

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The Hawkeye 6.0.7 virtual image can be deployed to:
- VMware ESXi 7.0 or later (qualified w/ 7.0 Update3)
- KVM on Linux system running Debian 12 or later

The Hawkeye virtual image requires 64-bit support from the host operating system or from the hypervisor. The CPU virtualization instructions (e.g. Intel VT-x, AMD-V) must be supported and enabled.

While importing the virtual image, it is possible to get compatibility warning messages. If this happens, please ignore them and continue the import operation.

System Specifications for the Hawkeye Server

Minimum system configuration varies based on number of concurrent users and usage. Following are guidelines, use the recommended configurations for best performance:

No of concurrent Users	No of endpoints	Minimum Requirements	Recommended
2	25	4 vCPU, 8GB RAM,256 GB	6 vCPU, 16GB RAM, 256 GB
5	100	6 vCPU, 16GB RAM, 256 GB	8 vCPU, 24GB RAM, 256 GB
10	400	8 vCPU, 24GB RAM, 256 GB	10 vCPU, 32GB RAM, 256 GB

Supported Browsers

Hawkeye 6.0.7-57 user interface can be accessed from most browsers that support HTML5 on Windows, OS X and Linux platforms:

- Google Chrome v127 or higher;
- Microsoft Edge;

Initial Configuration

Please follow the Getting started Guide for Hawkeye Setup. You should be able to download it from the support.keysight.com portal

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Upgrade Hawkeye

Upgrade Notes

Existing customers should install the new 6.0.1 as a fresh install and follow the steps set in the migration document to migrate from Hawkeye 5.5.5 to Hawkeye 6.0.1 and then use the below process to upgrade to Hawkeye 6.0.7. Please note that if you are in any release before Hawkeye 5.5.5, please update to Hawkeye 5.5.5 before attempting the migration.

Upgrade Hawkeye 6.0.x

Hawkeye 6.0.x to 6.0.7-57

Online upgrade

Hawkeye Servers running Hawkeye 6.0.1 with a connection to the internet can be upgraded to the latest release of 6.0.x with the following command.

Run Update using the following command:

#updateServer ; serverReboot

NOTE: If you have done an offline upgrade previously and now have an internet connection, please run the changeRepo command again and set it to the defaults:

#changeRepo

BaseURL [file:///mnt]: https://hawkeye-repo.ixhawkeye.com
Release ("-" for empty)[-]:6.0

Offline upgrade

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Offline upgrades for 6.0.7 are possible utilizing the provided .iso image which can be downloaded from support.ixiacom.com Once you have the .iso file perform the following steps. All commands below should be run as ksuser:

From 6.0.x to 6.0.7 -57:

On the Hawkeye server copy the .iso file into /tmp directory

Run Update using following command:

```
#updateServer --offline /tmp/UpdateREPO_6.0.7.57.iso
```

After the update is completed, it will check if a reboot is required. If a reboot is required, please reboot using the following command:

```
#serverReboot
```

Please follow the Migration Document for Upgrade process

You should be able to download it from the support.keysight.com portal

Or by using the below link

https://ixiapublic.s3.amazonaws.com/hawkeye/6.0.1/Hawkeye-6.0.1%20Migration%20Document.pdf

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New License Installation

Hawkeye 6.0.7 uses License Server Plus (LS+).

You should have received an email with your Activation Codes. If you have not received it yet, please contact your sales manager or Keysight Support. Once the installation is done and you can access the Hawkeye server using the assigned IP address you will be taken to a screen to activate the license. Refer to License Installation Guidelines below for details or contact Keysight Customer support for how to do this.

License Installation Guidelines

Prior to activating license:

Ensure Hawkeye server hostname is correct. Do NOT change hostname of server after applying the license. Change the Hawkeye server hostname by using ssh to server and enter the following command:

renameHost <yourHawkeyeServerHostname>

If issues are encountered with generating/applying license with IE, it is recommended to use Chrome as web browser.

Activate a license online:

Following installation in a web browser access the Hawkeye server using the assigned IP address. Screen will provide a licensing link to register using the activation codes previously emailed.

Activate a license offline:

1. Register or login to Keysight Software Manager (KSM) at
   Keysight Offline Activation Page
2. Fill in all the Personal details, and in the additional details, you need to enter the Order number and certificate number. You can find the order number and certificate number from the order email which you received or contact the sales rep. Make sure there are no spaces at the end or beginning in the order number.
3. Click Create Account and continue to Login using the created credentials.
4. Click on the 'You can request new licenses' option, it will show the number of licenses available to activate.
5. Under 'select host to assign licenses to' Click on 'Click to add a host' then select 'add a new host'. Enter the Host ID of your Hawkeye. Host ID can be found under licensing page.

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6. Select the licenses and quantities (The provided quantity marks the desired number of total active licenses) to assign and click 'Assign Licenses' and click continue. In the next screen click 'No' and then click continue.
7. Click 'Submit' and click 'Ok'. The license file can be sent to yourself, or you can even cc others.
8. Check your mailbox and copy the license file to a PC where you can access Hawkeye.
9. In a web browser enter the Hawkeye server assigned IP address. As Hawkeye server has not had a license applied it will go to a license Screen.
Select “import license file” and select “BROWSE” and open the generated .bin license file.
Then select “OK” to activate licenses.

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What's New in Hawkeye 6.0.7?

What's New
Security and Vulnerability updates – Hawkeye/XR-VM/XR3000/Pi4
Sustaining and Customer support Fixes
Probe upgrade method which supports from 6.0.6 to 6.0.7 and 6.0.7 to 6.1.1

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Known limitations and issues

***VISION E1S will not be supported from Hawkeye 6.0.1 onwards. Customers who have Vision E1S connected to Hawkeye 5.5.5 - DO NOT UPGRADE – CONTACT CUSTOMER SUPPORT FOR MORE INFORMATION**
Some Zoom targets in EMEA, ASIAPAC & U/Canada regions have their IP blocked. This may cause timeouts in the zoom tests.
Following upgrade to 6.0.7 Users will need to perform tuning and ssl certificate configurations per the User Guide.
Software Endpoint version 10.0 EA build 185 cannot be used with Hawkeye Server Versions prior to 5.5.1.
Existing Office365 Advanced Real Service Tests will error out when using the default Server list as Microsoft has decommissioned the broadcast.skype.com servers. New Office365 tests will be created without it.
Restart required for Windows Endpoint version 10.0 after system exits sleep state.
Vision E1S GRE Tunnel Origination will need to be able to ARP and Ping the remote side address in order to bring the tunnel up.
Vision E1S shipped prior to March 2022 requires reimage to support 1G SFP.
http server/advanced test does not support full page download in the event probe type is IxProbe.
For the XRPi Probe with Wi-Fi dongle, it is recommended to use the Wi-Fi dongle without the hub. Customers can plug in the Wi-Fi dongle directly into the XRPi' s USB port. Remove the hub to reduce the current draw by the hub to allow Wi-Fi dongle to operate with larger power operating margin. Existing customers who are using the XRPi to Wi-Fi Scan without any issues, continue using the XRPi in the existing configuration without any changes.
Main Dashboard uses the aggregation methods by default, All the results shown in the dashboard are aggregated on hourly, 3 hourly, and daily basis. The test results page on the other hand does not use aggregation. There may not be one to one correlation between the main dashboard and test results page on the amounts of test run during the period (as aggregated periods do not start synced to the hour/day).
ICMP destination port is used as offset (not destination port) in path discovery.
An endpoint with multiple interfaces (e.g. XRPi with eth0 and wlan0) needs to have each interface on a different subnetwork to avoid routing issues.
For Mesh and Real Services tests the Interface options (e.g. to select Wi-Fi IP) are not provided in web client.
Wi-Fi test types are only supported for Automatic probes using DHCP
Minimal qualification of IPV6 is done for Hawkeye 5.0. All test types and options for ipv6 haven't been fully qualified.

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Using MySQL external database not qualified for current release
Range selection under the test results may return full range data if the query is made on a nonexistent data time frame.
If Hawkeye server enabled to run both N2N and real service test at the same time. User needs to be aware the Real Service test “Wi-Fi connect” will bring down and re-establish the Wi-Fi interface to a different Wi-Fi access point. If no other N2N test is scheduled to run at the same time, TCP errors may be seen.
A connection test will bring up the default connection (if any) upon completion, but any previously defined non-default connection will not (i.e., previous conn test that does not reset the interface)
If the server has no connectivity to the internet, the login authentication mode is forced to 0 (local)
Only system admin level user can configure Test Template and can assign these test templates to various groups - where users can only execute them.
XR2000 and XR Docker endpoint names cannot have a space in the name.
Changing threshold direction on a test with auto learn causes long relearning period while threshold migrates to the new percentile
Enabling Outliers on an existing test will calculate and alarm all outliers since first test execution for that Test ID

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Fixed in this release.

Issue key	Summary
HAWKEYE-4367	[H] Ubuntu 22.04 LTS / 24.04 LTS / 25.10 / 26.04 LTS : CUPS vulnerabilities (USN-8405-1)
HAWKEYE-4366	[H]Ubuntu 22.04 LTS / 24.04 LTS / 25.10 : libpng vulnerabilities (USN-8251-1)
HAWKEYE-4365	[H]Ubuntu 22.04 LTS / 24.04 LTS / 25.10 / 26.04 LTS : OpenSSH vulnerabilities (USN-8222-1)
HAWKEYE-4364	[H] Ubuntu 14.04 LTS / 16.04 LTS / 18.04 LTS / 20.04 LTS / 22.04 LTS / 24.04 LTS / 25.10 : Vim vulnerabilities (USN-8213-1
HAWKEYE-4363	[H]Ubuntu 22.04 LTS / 24.04 LTS / 25.10 / 26.04 LTS : Little CMS vulnerability (USN-8209-1)
HAWKEYE-4362	[H]Ubuntu 22.04 LTS / 24.04 LTS / 25.10 : NTFS-3G vulnerabilities (USN-8192-1)
HAWKEYE-4361	Ubuntu 22.04 LTS / 24.04 LTS / 25.10 : GDK-PixBuf vulnerability (USN-8156-1)
HAWKEYE-4360	Ubuntu 16.04 LTS / 18.04 LTS / 20.04 LTS / 22.04 LTS / 24.04 LTS / 25.10 : PyJWT vulnerability (USN-8133-1)
HAWKEYE-4359	Ubuntu 16.04 LTS / 18.04 LTS / 20.04 LTS / 22.04 LTS / 24.04 LTS / 25.10 : libssh vulnerability (USN-8093-1)
HAWKEYE-4358	[C]Ubuntu 22.04 LTS / 24.04 LTS / 25.10 / 26.04 LTS : OpenSSL vulnerabilities (USN-8414-1)
HAWKEYE-4357	[C] Ubuntu 22.04 LTS / 24.04 LTS / 25.10 : OpenSSL vulnerabilities (USN-8155-1)
HAWKEYE-4351	[H] Ubuntu 14.04 LTS / 16.04 LTS / 18.04 LTS / 20.04 LTS / 22.04 LTS / 24.04 LTS : XML-RPC for C and C++ vulnerabilities (USN-8313-1) - he-xr3k-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4350	[C] Ubuntu 22.04 LTS / 24.04 LTS / 25.10 / 26.04 LTS : Bind vulnerabilities (USN-8293-1) - he-xr3k-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4349	[C] Ubuntu 22.04 LTS / 24.04 LTS / 25.10 / 26.04 LTS : GnuTLS vulnerabilities (USN-8284-1) - he-xr3k-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4347	[H] Ubuntu 22.04 LTS / 24.04 LTS / 25.10 / 26.04 LTS : Vim vulnerabilities (USN-8246-1) - he-xr3k-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4346	[C] Ubuntu 20.04 LTS / 22.04 LTS : Linux kernel vulnerabilities (USN-8255-1) - he-xr3k-6.0.7-53 (Hawkeye 6-0-7)

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HAWKEYE-4345	[H] Ubuntu 16.04 LTS / 18.04 LTS / 20.04 LTS / 22.04 LTS / 24.04 LTS / 25.10 : nghttp2 vulnerability (USN-8233-1) - he-xr3k-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4344	[H] Ubuntu 22.04 LTS / 24.04 LTS / 25.10 / 26.04 LTS : curl vulnerabilities (USN-8227-1) - he-xr3k-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4342	**HIGH** [H] Ubuntu 22.04 LTS / 24.04 LTS / 25.10 : python-cryptog-raphy vulnerability (USN-8087-1) - he-xr3k-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4337	**HIGH** [H] Debian dsa-5943 : gir1.2-blockdev-2.0 - security update - he-pi4-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4336	[C] Debian dsa-6339 : libinput-bin - security update
HAWKEYE-4335	[H] Debian dla-4637 : libconfig-inifiles-perl - security update - he-base-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4334	[C] Debian dsa-6338 : libdbi-perl - security update - he-base-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4333	[H] OpenJDK 8 <= 8u482 / 11.0.0 <= 11.0.30 / 17.0.0 <= 17.0.18 / 21.0.0 <= 21.0.10 / 25.0.0 <= 25.0.2 / 26.0.0 <= 26.0.0 Multiple Vulnerabilities (2026-04-21) - he-base-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4327	[C] Debian dsa-6335 : libcrypto3-udeb - security update - he-xrvm-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4325	**HIGH** [H] nginx 1.3.0 < 1.28.2 / 1.29.x < 1.29.5 SSL Upstream Injec-tion - he-6.0.7-53 (Hawkeye 6-0-7)
HAWKEYE-4314	Log rotate is failed to rotate probe.log in ixprobe.
HAWKEYE-4313	CVE-2026-49435 is affecting the IxChariot endpoint.

How to Report Problems

Contact Keysight Technical Support	Online, email and phone support options for reaching technical experts across the globe.

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