

Intelligent EdgeFabric

Product Bulletins

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Security Declaration

Vulnerability

Huawei's regulations on product vulnerability management are subject to the *Vul. Response Process*. For details about this process, visit the following web page:

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For vulnerability information, enterprise customers can visit the following web page:

<https://securitybulletin.huawei.com/enterprise/en/security-advisory>

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1 Edge Node Version Support Announcement

IEF provides one-year maintenance for its versions since their release to ensure stable and reliable connection between your edge nodes and IEF. You are advised to upgrade your edge node software (EdgeCore) before the maintenance period ends.

Version Naming Rule

Edge node software versions use the GNU software version naming rule: *major version number.sub-version number.revision version number*, for example, 2.22.0.

- A new major version number indicates a major software upgrade.
- A new sub-version number indicates that new functions are available to the software.
- A new revision version number indicates software bug fixes.

Version Support Policy

IEF only maintains the edge node software versions released within one year. Therefore, you are advised to upgrade your edge nodes at least once a year.

Version Upgrade Rule

During edge node upgrade, IEF automatically selects the EdgeCore of the latest version.

For example, if EdgeCore 2.22.0, 2.23.0, and 2.24.0 are available and the EdgeCore version on your edge node is 2.12.0, IEF will push the EdgeCore 2.24.0 to your edge node.

Precautions

- IEF does not proactively upgrade EdgeCore on your edge nodes. You are advised to upgrade the node manually in the time window with the minimum impact on your services.

- Upgrading a version within the maintenance period will not interrupt your applications running on the edge node. However, if message routing is used, services may be temporarily affected.
- Upgrading a version beyond the maintenance period may temporarily interrupt services due to container restart.
- Do not change node configurations during the node upgrade, such as restarting Docker, installing or uninstalling the GPU/NPU driver, upgrading the OS kernel, or modifying network configurations, which may result in node upgrade failures.

Upgrade Method

See [Upgrading an Edge Node](#).

Version Maintenance Policy

Version	Released On	End of Service (EOS) In	Description	Status
2.57.8	2024-11-01	-	Fixed the issue that the configuration file of an edge node is lost due to network interruption when the disk space of the node is full. Fixed the issue that a new container starts slowly because the system still attempts to attach a volume to a terminated edge container.	Under maintenance
2.57.6	2024-07-24	-	Fixed the issue that the system occasionally restarts when the network is intermittently disconnected. Fixed the issue that an exception occurs when an agent is used to manage edge nodes.	Under maintenance
2.57.0	2023-11-29	-	Supported deployment in the platinum edition of version 2.x. Supported Kubernetes 1.21 for edge nodes. Fixed issues found in 2.56.0.	Under maintenance
2.56.0	2023-06-26	-	Supported KubeEdge 1.10.	Under maintenance
2.55.11	2024-07-03	-	Fixed the issue that garbled characters are occasionally displayed in logs of 2.55.0 edge nodes.	Under maintenance

Version	Released On	End of Service (EOS) In	Description	Status
2.55.0	2023-05-01	June 2024	Updated the supported versions of the GPU drivers and NPU drivers. Optimized edge node and application monitoring. Fixed issues found in 2.53.6.	The version has reached EOS. Upgrade it.
2.53.6	2022-12-21	January 2024	Fixed issues found in 2.53.2.	The version has reached EOS. Upgrade it.
2.53.2	2022-10-23	November 2023	Fixed issues found in 2.53.0.	The version has reached EOS. Upgrade it.
2.53.0	2021-11-04	December 2022	Supported configuration of possible causes and handling suggestions for preset and customized alarms of IEF. Supported EdgeCore Configuration Management .	The version has reached EOS. Upgrade it.
2.52.1	2021-07-22	August 2022	Fixed issues found in 2.52.0.	The version has reached EOS. Upgrade it.
2.52.0	2021-06-03	July 2022	Fixed the issue that the container cannot be started after the edge node software is upgraded from 2.7.0 to the latest version.	The version has reached EOS. Upgrade it.
2.51.1	2021-04-20	May 2022	Updated the method of installing the GPU node driver to allow offline GPU driver installation. Fixed the Snt9 issue found in 2.51.0. NOTICE To upgrade the GPU node to this version, prepare the environment by referring to Installing a GPU Driver .	The version has reached EOS. Upgrade it.
2.51.0	2021-02-25	March 2022	Fixed issues found in 2.24.0.	The version has reached EOS. Upgrade it.

Version	Released On	End of Service (EOS) In	Description	Status
2.24.0	2020-10-21	November 2021	Supported EdgeMesh session persistence (consistent hashing). Fixed issues found in 2.23.0.	The version has reached EOS. Upgrade it.
2.23.0	2020-08-26	September 2021	Supported distributed health monitoring and automatic scheduling between edge nodes. Supported TLS two-way authentication for edge channels. Fixed issues found in 2.22.0.	The version has reached EOS. Upgrade it.
2.22.0	2020-07-11	August 2021	Supported Kubernetes 1.15 for edge nodes. Supported secret encryption for storage at the edge. Optimized the edge software for lightweight design. Fixed issues found in 2.21.0.	The version has reached EOS. Upgrade it.
2.21.0	2020-05-18	June 2021	Supported monitoring on usage of the disks used by containers. Fixed the issue that an application cannot be deleted due to EdgeCore restart.	The version has reached EOS. Upgrade it.
2.20.0	2020-04-18	May 2021	Supported collecting information about the Da Vinci chip model, driver version and memory. Provided EdgeMesh for the platinum edition. Fixed issues found in 2.12.0.	The version has reached EOS. Upgrade it.
2.12.0	2019-11-01	December 2020	Fixed the issue that domain names of Ubuntu 18.04 edge node containers cannot be resolved.	The version has reached EOS. Upgrade it.
2.11.0	2019-10-30	December 2020	Optimized the edge software performance. Fixed issues found in 2.10.0.	The version has reached EOS. Upgrade it.
2.10.0	2019-10-24	November 2020	Supported image caching and acceleration for application upgrade. Fixed issues found in 2.9.0.	The version has reached EOS. Upgrade it.

Version	Released On	End of Service (EOS) In	Description	Status
2.9.0	2019-10-16	November 2020	Supported Atlas 500 deployment in both IEF and FD modes. Fixed issues found in 2.8.0.	The version has reached EOS. Upgrade it.
2.8.0	2019-10-09	November 2020	Supported multiple containers, pausing containers, and interconnection with CRI. Supported edge node verification to avoid repeated management. Fixed issues found in 2.7.2.	The version has reached EOS. Upgrade it.
2.7.2	2019-08-17	September 2020	Fixed issues found in 2.7.1.	The version has reached EOS. Upgrade it.
2.7.1	2019-08-12	September 2020	Supported alarm reporting through the proxy. Fixed issues found in 2.7.0.	The version has reached EOS. Upgrade it.
2.7.0	2019-07-29	August 2020	Supported alarm reporting when the AK/SK is invalid or the application is restarted. Fixed issues found in 2.6.2.	The version has reached EOS. Upgrade it.
2.6.2	2019-07-26	August 2020	Fixed issues found in 2.6.1.	The version has reached EOS. Upgrade it.
2.6.1	2019-07-20	August 2020	Supported firmware upgrade for Atlas 500 AI edge stations. Supported edge node fault detection.	The version has reached EOS. Upgrade it.
2.6.0	2019-07-11	August 2020	Supported node groups and node group certificates for platinum instances. Fixed issues found in 2.5.0.	The version has reached EOS. Upgrade it.
2.5.0	2019-06-29	July 2020	Supported injecting the <i>hostip</i> of an edge node into a container as an environment variable. Supported Atlas 500 AI edge station management. Supported health check using commands. Fixed issues found in 2.4.0.	The version has reached EOS. Upgrade it.

Version	Released On	End of Service (EOS) In	Description	Status
2.4.0	2019-06-22	July 2020	Supported container restart. Optimized the application deletion logic to accelerate application deletion.	The version has reached EOS. Upgrade it.
2.3.2	2019-05-30	June 2020	Fixed issues found in 2.3.1.	The version has reached EOS. Upgrade it.
2.3.1	2019-05-23	June 2020	Fixed the issue of version 2.3.0 that the health check fails after the proxy is configured.	The version has reached EOS. Upgrade it.
2.3.0	2019-05-10	June 2020	Supported alarm reporting to AOM related to Docker installation exceptions, application liveness probe exceptions, and GPU resource application failures. Supported edge data encryption. Supported the edge time series database. Fixed issues found in 2.2.7.	The version has reached EOS. Upgrade it.
2.2.7	2019-04-19	May 2020	Supported EventBus routing messages. Supported compressed transmission of edge-cloud messages. Allowed access to the cloud through the proxy. Fixed issues found in 2.2.6.	The version has reached EOS. Upgrade it.
2.2.6	2019-04-11	May 2020	Supported the MQTT broker. Fixed issues found in 2.2.5.	The version has reached EOS. Upgrade it.
2.2.5	2019-03-21	April 2020	Supported multiple Kubernetes clusters.	The version has reached EOS. Upgrade it.
2.2.3	2019-03-20	April 2020	Fixed the node failure caused by node restart after long-time disconnection.	The version has reached EOS. Upgrade it.
2.2.2	2019-03-15	April 2020	Allowed node firmware upgrade.	The version has reached EOS. Upgrade it.

Version	Released On	End of Service (EOS) In	Description	Status
2.2.1	2019-03-07	April 2020	Fixed issues found in 2.2.0.	The version has reached EOS. Upgrade it.
2.2.0	2019-02-26	March 2020	Allowed edge node certificate encryption. Allowed temporary AK/SK for the edge.	The version has reached EOS. Upgrade it.
2.1.7	2019-01-25	February 2020	Fixed issues found in 2.1.6.	The version has reached EOS. Upgrade it.
2.1.6	2019-01-22	February 2020	Fixed issues found in 2.1.5.	The version has reached EOS. Upgrade it.
2.1.5	2019-01-03	February 2020	Fixed issues found in 2.1.3.	The version has reached EOS. Upgrade it.
2.1.3	2018-12-21	January 2020	Supported displaying information such as GPU model and video memory. Fixed issues found in 2.1.2.	The version has reached EOS. Upgrade it.
2.1.2	2018-12-07	January 2020	Fixed issues found in 2.1.1.	The version has reached EOS. Upgrade it.
2.1.1	2018-12-06	January 2020	Fixed issues found in 2.1.0.	The version has reached EOS. Upgrade it.
2.1.0	2018-12-01	January 2020	Supported ErrorMessage display for the container startup failure. Added limit on the maximum size of the ServiceBus request file. Fixed the edge node exception when Docker is not installed.	The version has reached EOS. Upgrade it.
2.0.3	2018-11-26	December 2019	Fixed issues found in 2.0.2.	The version has reached EOS. Upgrade it.
2.0.2	2018-11-21	December 2019	Supported ServiceBus. Supported mapping between container ports and host ports. Fixed issues found in 2.0.1.	The version has reached EOS. Upgrade it.

Version	Released On	End of Service (EOS) In	Description	Status
2.0.1	2018-11-08	December 2019	Fixed issues found in 2.0.0.	The version has reached EOS. Upgrade it.
2.0.0	2018-10-31	November 2019	Released EdgeCore 2.0.0, which provides functions such as node management, container management, and message routing.	The version has reached EOS. Upgrade it.

2 End of Maintenance Notice of Edge Node Versions

2.1 End of Maintenance of Edge Nodes Running Version 2.53 and Earlier

Released: Apr 15, 2025

According to IEF [Version Maintenance Policy](#), IEF will stop maintaining edge node versions 2.53 and earlier from May 1, 2025.

You are advised to upgrade edge nodes to the latest version. For details about how to upgrade an edge node, see [Upgrading an Edge Node](#).