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SIP Server Deployment Guide

Masking sensitive data in SIP messages

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Masking sensitive data in SIP messages

Starting with version 8.1.102.51, SIP Server can mask sensitive data in SIP messages. When enabled, SIP Server replaces:

- All private SIP header values with a single asterisk
- SIP message body content with the phrase CONTENT FILTERED

SIP Server does not replace the content of type `application/sdp`, and it replaces `application/vnd.radisys.msml+xml` in the SIP message body only when it contains user data.

Starting with version 8.1.103.88, SIP Server can unmask specific SIP headers contained in SIP Server logs. This feature is enabled by the `x-sip-unmask-headers` and `x-sip-unmask-headers-default` configuration options.

Feature Configuration

To enable masking sensitive data in SIP messages, set the `x-sip-mask-sensitive-data` configuration option to `true` in the **[log]** section of the SIP Server Application.

Configuration Options

`x-sip-mask-sensitive-data`

Setting: **[log]** section, Application level

Default Value: `false`

Valid Values: `true`, `false`

Changes Take Effect: Immediately

Specifies whether SIP Server masks sensitive data in SIP messages contained in SIP Server logs.

- If set to `true`, SIP Server masks all private SIP header values and SIP message body content of all types, except for `application/sdp` and `application/vnd.radisys.msml+xml`. If the message contains `application/vnd.radisys.msml+xml`, SIP Server masks it only when it contains user data.
- If set to `false`, SIP Server does not mask sensitive data in SIP messages contained in SIP Server logs.

`x-sip-unmask-headers`

Setting: **[log]** section, Application level

Default Value: No default value

Valid Values: A list of comma-separated SIP headers

Changes Take Effect: Immediately

Specifies a list of private SIP headers that SIP Server does not mask in SIP messages contained in SIP

Server logs. These headers are unmasked in addition to the headers specified in the **x-sip-unmask-headers-default** option. If the value of this option is not configured or empty, headers specified in the **x-sip-unmask-headers-default** are unmasked. Example: X-Genesys-UUID, X-ISCC-Id.

x-sip-unmask-headers-default

Setting: **[log]** section, Application level

Default Value: X-Genesys-strict-location,X-Genesys-peer-proxy-contact,X-Genesys-CallUUID,X-Genesys-PartyInfo,X-Genesys-GVP-Session-ID,X-Genesys-CallInfo,X-Genesys-Route,X-Genesys-geo-location,X-Genesys-bypass-resource-list,X-ISCC-Id,X-ISCC-CofId,X-Detect,Event,presence,Answer-Mode

Valid Values: A list of comma-separated SIP headers

Changes Take Effect: Immediately

Specifies a list of private SIP headers that SIP Server does not mask in SIP messages contained in SIP Server logs, by default. To unmask other SIP headers that are not included in the default value of this option, use the **x-sip-unmask-headers** option. If the value of this option is empty, the private SIP headers remain masked/unmasked based on the value of **x-sip-unmask-headers** and **x-sip-mask-sensitive-data**.