



One Identity Safeguard for Privileged Sessions 5.7

Security Checklist

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Legend

-  **WARNING:** A WARNING icon indicates a potential for property damage, personal injury, or death.
-  **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.
-  **IMPORTANT, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

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Security checklist for configuring Safeguard for Privileged Sessions

The following checklist is a set of recommendations and configuration best practices to ensure that your Safeguard for Privileged Sessions is configured securely.

Encryption-related settings

- One Identity recommends using 2048-bit RSA keys (or stronger).
- Use strong passwords: at least 8 characters that include numbers, letters, special characters, and capital letters. For local Safeguard for Privileged Sessions users, require the use of strong passwords (set **AAA > Settings > Minimal password strength** to strong). For details, see "[Setting password policies for local users](#)" in the [Administration Guide](#).
- When exporting the configuration of Safeguard for Privileged Sessions, or creating configuration backups, always use encryption. Handle the exported data with care, as it contains sensitive information, including credentials. For details on encrypting the configuration, see "[Encrypting configuration backups with GPG](#)" in the [Administration Guide](#).
- Use every keypair or certificate only for one purpose. Do not reuse cryptographic keys or certificates, for example, do not use the certificate of the Safeguard for Privileged Sessions webserver to encrypt audit trails, or do not use the same keypair for signing and encrypting data.
- Do not use the CBC block cipher mode, or the diffie-hellman-group1-sha1 key exchange algorithm. For details, see "[Supported encryption algorithms](#)" in the [Administration Guide](#).
- Always encrypt your audit trails to protect sensitive data. For details, see "[Encrypting audit trails](#)" in the [Administration Guide](#).

Connection policies

- When configuring connection policies, always limit the source of the connection to the client network that requires access to the connection.
- Always use gateway authentication to authenticate clients. Do not trust the source IP address of a connection, or the result of server authentication.
- To prevent Denial of Service (DoS) attacks against Safeguard for Privileged Sessions, set the **Connection rate limit** option of your connection policies. For details, see ["Displaying custom connection statistics" in the Administration Guide](#).
- Configure your RDP connection policies to use strong encryption. To enable SSL-encryption for the RDP protocol, see ["Enabling TLS-encryption for RDP connections" in the Administration Guide](#).
- In RDP connections, if the client uses the Windows login screen to authenticate on the server, the password of the client is visible in the audit trail. To avoid displaying the password when replaying the audit trail, you are recommended to encrypt the upstream traffic in the audit trail using a separate certificate from the downstream traffic. For details, see ["Encrypting audit trails" in the Administration Guide](#).
- Ensure that host key verification is enabled in SSH connection policies. That is, the **Server side hostkey settings > Allow plain host keys** and **Server side hostkey settings > Allow X.509 host certificates** options do not have the **No check required** option selected. For details, see ["Setting the SSH host keys and certificates of the connection" in the Administration Guide](#).

Appliance access

- Accessing the Safeguard for Privileged Sessions host directly using SSH is not recommended or supported, except for troubleshooting purposes. In such case, the One Identity Support Team will give you exact instructions on what to do to solve the problem.

For security reasons, disable SSH access to Safeguard for Privileged Sessions when it is not needed. For details, see ["Enabling SSH access to the Safeguard for Privileged Sessions host" in the Administration Guide](#).

- Permit administrative access to Safeguard for Privileged Sessions only from trusted networks. If possible, monitored connections and administrative access to the Safeguard for Privileged Sessions web interface should originate from separate networks.
- Configure Safeguard for Privileged Sessions to send an alert if a user fails to login to Safeguard for Privileged Sessions. For details, see the **Login failed** alert in ["System related traps" in the Administration Guide](#).
- Configure **Disk space fill-up prevention**, and configure Safeguard for Privileged Sessions to send an alert if the free space on the disks of Safeguard for Privileged

Sessions is low. For details, see ["Preventing disk space fill-up" in the Administration Guide](#).

Networking considerations

- Safeguard for Privileged Sessions stores sensitive data. Use a firewall and other appropriate controls to ensure that unauthorized connections cannot access it.
- If possible, enable management access to Safeguard for Privileged Sessions only from trusted networks.
- Make sure that the HA interface of Safeguard for Privileged Sessions is connected to a trusted network.

One Identity solutions eliminate the complexities and time-consuming processes often required to govern identities, manage privileged accounts and control access. Our solutions enhance business agility while addressing your IAM challenges with on-premises, cloud and hybrid environments.

Contacting us

For sales or other inquiries, visit <https://www.oneidentity.com/company/contact-us.aspx> or call +1-800-306-9329.

Technical support resources

Technical support is available to One Identity customers with a valid maintenance contract and customers who have trial versions. You can access the Support Portal at <https://support.oneidentity.com/>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos at www.YouTube.com/OneIdentity
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product