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# Genesys Security Pack on UNIX

Release Notes 8.5.x

12/4/2025

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# Genesys Security Pack on UNIX 8.5.x Release Note

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

This Release Note applies to all 8.5.x releases of Genesys Security Pack on UNIX. Links in the [Available Releases](#) section enable you to access information regarding a specific release.

## Available Releases

Releases are listed by version number rather than in date order. For this reason, a recent release may be listed after earlier releases, if the version number is lower. Except when otherwise noted in the information for a specific release, each release includes all of the features and corrections that were introduced for the applicable operating system at earlier dates, regardless of the version numbering.

Release 8.5.1:

Release	Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
<a href="#">8.5.100.37</a>	12/05/25	General			X		
<a href="#">8.5.100.36</a>	11/29/24	General			X		X
<a href="#">8.5.100.34</a>	02/14/24	General			X		
<a href="#">8.5.100.33</a>	09/25/23	Update			X		
<a href="#">8.5.100.30</a>	06/27/23	General			X		
<a href="#">8.5.100.29</a>	12/09/22	General			X		
<a href="#">8.5.100.28</a>	12/17/21	General			X		
<a href="#">8.5.100.27</a>	08/11/21	General			X		
<a href="#">8.5.100.25</a>	11/03/20	General		X	X	X	
<a href="#">8.5.100.23</a>	06/26/20	General		X	X	X	
<a href="#">8.5.100.21</a>	12/06/19	General		X	X	X	
<a href="#">8.5.100.19</a>	01/31/19	General		X	X	X	
<a href="#">8.5.100.18</a>	11/30/18	General		X	X	X	
<a href="#">8.5.100.16</a>	08/31/18	General		X	X	X	
<a href="#">8.5.100.15</a>	07/10/18	General		X	X	X	
<a href="#">8.5.100.14</a>	12/22/17	General		X	X	X	
<a href="#">8.5.100.13</a>	08/22/17	General		X	X	X	

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Release	Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
8.5.100.12	12/16/16	General		X	X	X	
8.5.100.11	09/02/16	General		X	X	X	
8.5.100.10	06/03/16	General		X	X	X	
8.5.100.09	04/29/16	General		X	X	X	
8.5.100.08	04/05/16	General		X	X	X	
8.5.100.06	12/22/15	General		X	X	X	
8.5.100.02	08/03/15	Hot Fix		X	X	X	
8.5.100.00	04/10/15	General		X	X	X	

### Release 8.5.0:

Release	Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
8.5.000.03	07/01/14	General		X	X	X	
8.5.000.01	04/25/14	General		X	X	X	

The operating systems available for use with each component release are listed in the table at a high level only. For more detailed information about the supported operating environments, including requirements, supported versions, and any conditions or limitations, see the [Framework](#) page in the *Genesys Supported Operating Environment Reference Guide*.

For information about 8.1.x releases of Genesys Security Pack on UNIX, see the [8.1 Release Note](#) (Cumulative).

## Discontinued Support

This section documents features that are no longer supported in this software. This cumulative list is in release-number order with the most recently discontinued features at the top of the list. For more information on discontinued support for operating environments and databases, see [Discontinued Support](#) in the *Genesys Supported Operating Environment Reference Guide*.

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The following operating systems are no longer supported:

- AIX
- Solaris

**Discontinued As Of:** 8.5.100.27

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The RHEL version 5 operating system is no longer supported.

**Discontinued As Of:** 8.5.100.13

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The following operating systems are no longer supported:

- HP-UX PA and HP-UX IPF – all versions
- AIX version 5.3
- RHEL version 4
- Solaris version 9
- Windows Server 2003

**Discontinued As Of:** 8.5.000.01

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## Known Issues

You can find information about Known Issues and Recommendations that apply to some 8.5 releases of Genesys Security Pack on UNIX , including the issues that are specific to Localized (International) releases, at the following links:

- [Known Issues and Recommendations](#)
- [Internationalization Issues](#)

## Related Resources

For additional information about Genesys Security Pack on UNIX, see the following documentation:

- The documentation related to this software is available from the System Guides pages.
- The [Genesys Security Deployment Guide](#) provides details about installing and configuring Genesys Security Pack on UNIX.
- The [Framework](#) page in the [Genesys Supported Operating Environment Reference Guide](#) provides detailed information about the supported operating environments, including requirements, supported versions, and any conditions or limitations for Framework components.

Release Notes for other Genesys components are available [here](#).

# Known Issues and Recommendations

## Genesys Security Pack on UNIX

The Known Issues and Recommendations section is a cumulative list for all 8.5.x releases of Genesys Security Pack on UNIX. This section provides the latest information on known issues and recommendations associated with this product. It includes information on when individual items were found and, if applicable, corrected. The Resolved Issues section for each release describes the corrections and may list additional issues that were corrected without first being documented as Known Issues.

See also [Internationalization Issues](#).

---

Security Pack does not allow adjusting the cipher list when using TLS 1.3. The cipher-list option is applicable only for those environments where TLS 1.2 or older versions are used. The affected Security Pack starts from version 8.5.100.25 (MFWK-23926).

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## Internationalization Issues

Information in this section is included for international customers.

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There are no internationalization issues for this product.

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# Release 8.5.1

## Genesys Security Pack on UNIX Release Notes

You can find links to Release Notes for particular 8.5.1 releases of Genesys Security Pack on UNIX, if available, in the tree menu on the left or in the list of [Available Releases](#).

8.5.100.37

## Genesys Security Pack on UNIX Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Mac	Solaris	Windows
12/05/25	General			X			

### What's New

This release includes the following features and enhancements

- The Genesys Security Pack now uses OpenSSL version 3.5.3 for the Linux operating system. While FIPS certification for OpenSSL 3.5 is currently pending, Security Pack can be used with any version of the FIPS module for OpenSSL 3. X by following the instructions in the Release Notes for Security Pack 8.5.100.30. If usage of a certified version of the FIPS module is required, please follow the guidelines from OpenSSL. Last certified version as of today is 3.1.2: <https://openssl-corporation.org/post/2025-03-11-fips-140-3/>

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Genesys Security Pack on UNIX](#)

[Genesys Products](#)

[List of Release Notes](#)

### Resolved Issues

This release contains no resolved issues.

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.37.



8.5.100.36

## Genesys Security Pack on UNIX Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Mac	Solaris	Windows
11/29/24	General			X			X

### What's New

This release contains the following new features and enhancements:

- Genesys Security Pack on UNIX now uses OpenSSL version 3.0.15 for the Linux operating system. (MFWK-25083)

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Genesys Security Pack on UNIX](#)

Genesys Products

[List of Release Notes](#)

### Resolved Issues

This release contains no resolved issues.

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.36.

8.5.100.34

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Mac	Solaris	Windows
02/14/24	General			X			

### What's New

This release includes only resolved issues.

### Resolved Issues

This release contains the following resolved issues:

---

The PKCS#12 certificates created by OpenSSL 3.0+ can now be imported into Windows 2016 certificate store if you generate the certificate by adding the -legacy option in the certificate generation script. Previously, these certificates could not be imported into Windows Server 2016 and earlier versions due to compatibility issues between Windows Server 2016 and OpenSSL 3.0+. (MFWK-24749)

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### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Genesys Security Pack on UNIX](#)

[Genesys Products](#)

[List of Release Notes](#)

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.34.

8.5.100.33

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Mac	Solaris	Windows
09/25/23	Update			X			

### What's New

This release contains the following new features and enhancements:

- The Genesys Security Pack now uses OpenSSL version 3.0.10 for Linux operating system. (MFWK-24528)
- Supports Red Hat Enterprise Linux 9. See the [Framework](#) page in the *Genesys Supported Operating Environment Reference Guide* for more detailed information and a list of all supported operating systems. (MFWK-24658)

### Resolved Issues

This release contains no resolved issues.

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Genesys Security Pack on UNIX](#)

[Genesys Products](#)

[List of Release Notes](#)

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.33.

8.5.100.30

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Mac	Solaris	Windows
06/27/23	General			X			

### What's New

This release contains the following new features and enhancements:

- The Genesys Security Pack now uses OpenSSL version 3.0.8 for Linux operating system. On Linux platforms, using the FIPS library requires the following steps for OpenSSL 3.0 versions:
  - Run the `fipsinstall.sh` script provided in the **fips140\_lib64** directory. This runs the FIPS module self-test and generates proper OpenSSL configuration files which are mandatory for using the FIPS module.
  - Set both the **LD\_LIBRARY\_PATH** and **OPENSSL\_MODULES** environment variables to **<install directory>/fips140\_lib64** and **OPENSSL\_CONF** variable to **<install directory>/fips140\_lib64/openssl.cnf**, as shown in the following example script:

```
/usr/local/GCTI/gsecurity/fips140_libs64-$ bash
fipsinstall.sh
...
INSTALL PASSED
For using FIPS security module set the following environment variables:
LD_LIBRARY_PATH=/usr/local/GCTI/gsecurity/fips140_libs64
OPENSSL_MODULES=/usr/local/GCTI/gsecurity/fips140_libs64
OPENSSL_CONF=/usr/local/GCTI/gsecurity/fips140_libs64/openssl.cnf
```

**Note:** The master OpenSSL configuration file (**openssl.cnf**) configured in **OPENSSL\_CONF** is not included in the installation package but it is generated dynamically by the **fipsinstall.sh** script along with the **fipsmodule.cnf** configuration for FIPS. (MFWK-24234)

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Genesys Security Pack on UNIX](#)

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## Resolved Issues

This release contains the following resolved issues:

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Security Pack now allows adjusting the cipher list when using TLS 1.3. Use the newly added option **ciphersuites** in connection parameters to configure ciphers for TLSv1.3.

For more details on the option and its supported values, see [Tuning Available Cipher Lists for TLS v1.3](#). (MFWK-23926)

---

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.30.

8.5.100.29

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Mac	Solaris	Windows
12/14/22	General			X			

### What's New

This release includes only known issues.

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

### Resolved Issues

This release contains no resolved issues.

#### Product Documentation

[Management Framework](#)

Genesys Products

[List of Release Notes](#)

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.29.



8.5.100.27

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Mac	Solaris	Windows
08/11/21	General			X			

### What's New

This release contains the following new features and enhancements:

- Genesys recommends generating Certificate and Certificate Authority (CA) with different Common Name (CN). The same CN won't be accepted. (MFWK-23717)
- The Security Pack now uses OpenSSL version 1.1.1k for Linux operating system. Genesys Security Pack with FIPS 140-2 encryption module is based on OpenSSL 1.0.2 implementation. (MFWK-23521)
- Security Pack no longer supports AIX and Solaris. See the [Framework](#) page in the *Genesys Supported Operating Environment Reference Guide* for more detailed information and a list of all supported databases. (MFWK-23473)

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Management Framework](#)

[Genesys Products](#)

[List of Release Notes](#)

### Resolved Issues

This release contains no resolved issues.

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.27.

8.5.100.25

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
11/03/20	General		X	X	X	

### What's New

This release contains the following new features and enhancements:

- Security Pack now uses OpenSSL version 1.1.1g for Linux operating system. Genesys Security Pack with FIPS 140-2 encryption module is based on OpenSSL 1.0.2 implementation. (MFWK-23220)
- Security Pack now supports TLS 1.3. Strict "TLSv13" protocol support is available with the commonlib versions 8.5.100.80 and higher in Genesys components. (MFWK-23171)
- Security Pack supports creation of SAN certificate with the `create_cert.sh` file. This can be done by using the two new keys, `-SANdomain "list"` and `-SANip "list"`. (MFWK-22937)

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

#### [Management Framework](#)

#### Genesys Products

#### [List of Release Notes](#)

### Resolved Issues

This release contains the following resolved issue:

The RFC 4366 violation has been fixed. Security Pack no longer sends IPv4 and IPv6 addresses in the `server_name` extension. (MFWK-23051)

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.25.

8.5.100.23

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
06/26/20	General		X	X	X	

### What's New

This release contains the following new features and enhancements:

- Support for the Red Hat Enterprise Linux AP 8 and virtualization (KVM) in Red Hat 8 operating system. See the [Framework](#) page in the [Genesys Supported Operating Environment Reference Guide](#) for more detailed information and a list of all supported operating systems. (MFWK-22397)
- Genesys Security Pack supports Server Name Indication (SNI) extension in TLS handshake. This helps resolve requests to a web server that uses only one IP address, but hosts multiple web domains (each with their own certificate) behind it. (MFWK-22708)

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Management Framework](#)

[Genesys Products](#)

[List of Release Notes](#)

### Resolved Issues

This release contains no resolved issues.

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.23.

8.5.100.21

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
12/06/19	General		X	X	X	

### What's New

This release contains the following new feature or enhancement:

- The Security Pack now uses OpenSSL version 1.0.2s for Linux operating system and OpenSSL version 1.0.2r for AIX and Solaris operating systems. (MFWK-22313)

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Management Framework](#)

[Genesys Products](#)

[List of Release Notes](#)

### Resolved Issues

This release contains no resolved issues.

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.21.

8.5.100.19

## Genesys Security Pack on UNIX Release Notes

**9.x** Genesys Security Pack on UNIX is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
01/31/19	General		X	X	X	

### What's New

This release contains the following new feature or enhancement:

- Security Pack now uses OpenSSL version 1.0.2q.

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

### Resolved Issues

This release contains no resolved issues.

#### Product Documentation

[Management Framework](#)

[Genesys Products](#)

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### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.19.



8.5.100.18

## Genesys Security Pack on UNIX Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
11/30/18	General		X	X	X	

### What's New

This release contains the following new features or enhancements:

- Genesys Security Pack now includes FIPS 140-2 encryption compliant modules that are based on OpenSSL implementation and are provided for Linux operating systems only. Support for newer FIPS 140-2 compliant modules is not applicable for AIX and Solaris operating systems.
- Support for the following operating systems:
  - Oracle Linux 7 with Unbreakable Enterprise Kernel (UEK) 4.x
  - SUSE Linux Enterprise 12

See the *Framework* page in the *Genesys Supported Operating Environment Reference Guide* for more detailed information and a list of all supported operating systems.

- Starting with this release, Genesys Security Pack supports installation on all minor releases of Red Hat Enterprise Linux 7.x operating system.

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Management Framework](#)

#### Genesys Products

[List of Release Notes](#)

### Resolved Issues

This release contains no resolved issues.

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.18.

8.5.100.16

## Genesys Security Pack on UNIX 8.5.x Release Notes

**9.x** Genesys Security Pack on UNIX is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
08/31/18	General		X	X	X	

### What's New

This release contains the following new features or enhancements:

- Starting with this release, TLS 1.1 is the minimum supported protocol with Security Pack. For environments that require TLS version lower than 1.1, to ensure compatibility, Genesys provides an alternative implementation in the **legacy** folder. To use TLS version lower than 1.1, make sure you update the environment to access the **.so** modules from the **legacy** folder.
- Security Pack no longer includes legacy implementations based on the RSA BSAFE library. Files with "rsa" suffix are identical to those that have "openssl" suffix and they are provided to ensure compatibility with the legacy Genesys applications.

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Management Framework](#)

#### Genesys Products

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### Resolved Issues

This release contains no resolved issues.

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.16.

8.5.100.15

## Genesys Security Pack on UNIX 8.5.x Release Notes

**9.x Genesys Security Pack on UNIX** is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
07/10/18	General		X	X	X	

### What's New

This release contains the following new features or enhancements:

- Genesys Security Pack on Unix now accepts full wildcards, such as \*.example.com, in certificate names (CNs). Partial wildcards, such as \*ww.example.com, w\*w.example.com, or ww\*.example.com, are not supported.

### Resolved Issues

This release contains no resolved issues.

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.15.

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Management Framework](#)

[Genesys Products](#)

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8.5.100.14

## Genesys Security Pack on UNIX 8.5.x Release Notes

**9.x** Genesys Security Pack on UNIX is part of 9.x starting in **8.5.100.13**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
12/22/17	General		X	X	X	

### What's New

This release contains the following new features or enhancements:

- Support for the CentOS Linux 7 operating system. See the Framework page of the *Supported Operating Environment Reference Guide* for more detailed information and a list of all supported operating systems.

### Resolved Issues

This release contains the following resolved issue:

---

ECDHE ciphers are now supported. (MFWK-18910)

---

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

[Management Framework](#)

[Genesys Products](#)

[List of Release Notes](#)

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.14.

8.5.100.13

## Genesys Security Pack on UNIX 8.5.x Release Notes

**9.x** This is the first 9.x release of **Genesys Security Pack on UNIX**.

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
08/22/17	General		X	X	X	

### What's New

This release contains the following new feature or enhancement:

- You can now set alternative IP addresses by specifying the `-IP <host IP>` parameter when running **create\_cert.sh**.
- As of 9/26/17, Security Pack on UNIX supports the Microsoft Hyper-V Server 2016 virtualization platform. Refer to the [Supported Operating Environment: Display by Product, Operating System, and Other](#) page for more detailed information and a list of all supported virtualization platforms.

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

#### Product Documentation

#### [Management Framework](#)

#### Genesys Products

#### [List of Release Notes](#)

### Resolved Issues

This release contains no resolved issues.



## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.13.

8.5.100.12

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
12/16/16	General		X	X	X	

### What's New

This release contains the following new feature or enhancement:

- Security Pack now uses OpenSSL version 1.0.2j.

### Resolved Issues

This release contains no resolved issues.

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.12.

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)
- [Product Alerts](#)

#### Product Documentation

[Management Framework](#)

#### Genesys Products

[List of Release Notes](#)

# 8.5.100.11

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
09/02/16	General		X	X	X	

### What's New

This release contains the following new feature or enhancement:

- Security Pack now uses the SHA256 algorithm as the default.

### Resolved Issues

This release contains the following resolved issue:

---

The **create\_cert.sh** script now accepts the optional **-E <e-mail address of person responsible for this CA>** parameter. Previously, this parameter was not accepted by the script. (MFWK-17800)

---

### Helpful Links

#### Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)
- [Product Alerts](#)

#### Product Documentation

[Management Framework](#)

#### Genesys Products

[List of Release Notes](#)

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.11.

# 8.5.100.10

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
06/03/16	General		X	X	X	

### What's New

This release contains the following new features and enhancements:

- Security Pack now uses OpenSSL 1.0.2g.
- Support for the Red Hat Enterprise Linux AP 64-bit x86 7 operating system. See the [Supported Operating Environment: Framework](#) page for more detailed information and a list of all supported operating systems.

### Resolved Issues

This release contains no resolved issues.

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.10.

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8.5.100.09

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
04/29/16	General		X	X	X	

### What's New

This release contains only resolved issues.

### Resolved Issues

This release contains the following resolved issue:

The **create\_ca.sh** script in Genesys Security Pack now properly converts a generated CA certificate to Windows .pfx format. The converted certificate contains only the CA public key, and can be imported by Windows hosts immediately. Previously, the script did not create the certificate in .pfx format. (MFWK-17445)

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### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.09.

8.5.100.08

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
04/05/16	General		X	X	X	

### What's New

This release contains the following new feature or enhancement:

- Security Pack now includes the script **convert\_priv\_key.sh** that automatically converts private keys in security certificates to other formats, including PKCS#8 as required by Universal Contact Server and other Java PSDK-based applications. This script is located in the Security Pack installation folder. To run the script, use the following syntax:

```
convert_priv_key.sh -in INPUTFILE -out OUTFILE [-informat pfx|pkcs8|pkcs12|rsa] [-outformat pkcs8|rsa] [-encrypt]
```

Where:

- in INPUTFILE: Name of the input file from which to read a key.
- out OUTFILE: Name of the output file to which to write a key.
- informat pfx|pkcs8|pkcs12|rsa: Format of input file; default value is rsa.
- outformat pkcs8|rsa: Format of output file; default value is pkcs8.
- encrypt: Encrypts the converted private key (optional).

### Resolved Issues

This release contains no resolved issues.

### Helpful Links

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## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.08.

## 8.5.100.06

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
12/22/15	General		X	X	X	

## What's New

This release contains the following new features and enhancements:

- **New secure socket layer implementation:** The default secure socket layer implementation has been changed to use OpenSSL to facilitate communication in the SSL/TLS protocol suite. This includes the following enhancements:
  - Security Pack now supports TLS 1.2.
  - Security Pack now uses OpenSSL 1.0.2e.
  - The behavior of the **sec-protocol** option has been enhanced. For details, refer to the [Framework Configuration Options Reference Manual](#).

For backward compatibility purposes, the previous implementation using RSA is also provided. For more information about these changes, refer to the "Genesys Implementation of Secure Protocol Connections" topic of the [Framework Deployment Guide](#).

- **More secure default certificate signature algorithm:** Security Pack scripts have been changed to use SHA1 by default, with an option to use SHA256. Genesys strongly recommends that SHA256 be used for all new certificate generation. The previous default algorithm, MD5, is considered vulnerable and is not to be used. MD5 signed certificates might not be accepted by modern TLS protocol versions. MD5 signed certificates pose a significant security threat and must be reissued as soon as possible.
- **Enhanced logging:** To simplify troubleshooting of secure connections, Security Pack 8.5.100.06 or newer offers additional logging of the secure connection establishment phase.

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## Resolved Issues

This release contains the following resolved issues:



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This release fixes the memory leak in Genesys Security Pack that originated in third-party software used by Genesys Security Pack. The leak was specific to RSA, which is no longer used by Security Pack. (MFWK-16911)

---

If mutual TLS is configured on both the client and server (**tls-mutual=true**), the client and server applications now connect properly using TLS. Previously in this scenario, the client application would terminate unexpectedly while trying to connect to the server using mutual TLS. (MFWK-16908)

---

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.06.

8.5.100.02

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
08/03/15	Hot Fix		X	X	X	

### What's New

This release includes only resolved issues.

### Resolved Issues

This release contains the following resolved issues:

---

This version fixes the memory leak that sometimes occurred when Security Pack established SSL/TLS connections. (MFWK-16892, MFWK-16836)

Heavily multi-threaded applications, such as Interaction Server, can experience stability issues when transferring data over secure connections. This version of Security Pack might be required for use with some applications. Please refer to the Release Notes of the particular application (for Interaction Server, refer to the Interaction Management Product Alert) to determine if it requires a particular version of Security Pack, and for more detailed instructions.

**Note:** To access the Interaction Management Product Alert, click [here](#), expand **Interaction Management**, and click **Show Product Alerts**.

(MFWK-16871)

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## Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.02.

8.5.100.00

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
04/10/15	General		X	X	X	

### What's New

This release includes only resolved issues.

### Resolved Issues

This release contains the following resolved issues:

Security Pack on UNIX now allows you to run **create-cert.sh** more than once on the same host without generating an error. As a result, you can now generate more than one security certificate on the host. Previously on CentOS hosts, Security Pack on UNIX generated an error and did not create more than one certificate on the host. (MFWK-16163)

An Application using Security Pack on UNIX to implement TLS on its connections no longer terminates unexpectedly if no security certificate is configured. Previously in this scenario, you had to configure a security certificate to avoid the termination. (MFWK-16109)

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### Upgrade Notes

No special procedure is required to upgrade to release 8.5.100.00.

# Release 8.5.0

## Genesys Security Pack on UNIX Release Notes

You can find links to Release Notes for particular 8.5.0 releases of Genesys Security Pack on UNIX, if available, in the tree menu on the left or in the list of [Available Releases](#).

8.5.000.03

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
07/01/14	General		X	X	X	

### What's New

This release contains the following new features and enhancements:

- Support for selecting initial protocol when establishing secure connection. An application can now specify the lowest compatible protocol used by Security Pack on UNIX to send and accept secure connection requests on one or more of its connections, thereby limiting the use of obsolete protocols. Use the following new option:

#### **sec-protocol**

Default Value: **SSLv23**

Valid Values: **SSLv23, SSLv3, TLSv1, TLSv1.1**

Changes Take Effect: Immediately

Specifies the protocol used by the component to set up secure connections.

This option is configured on one of three levels:

- Host-level (the application host): In the **[security]** section of the annex of the Host object.
- Application-level: In the **[security]** section of the options of the Application object.
- Port-level (connection-level): As a transport parameter of the application's connection.

### Important

If the component reads its configuration information solely from its configuration file, such as LCA or Genesys Deployment Agent, set this option in the security section of the appropriate configuration file (such as **lca.cfg** for LCA or **gda.cfg** for Genesys Deployment Agent).

On a single component, this option must be configured at the same level where the certificate is configured. Across a network, if this option is configured at multiple levels (connection, application, host), the value set at the lowest level takes precedence. That is:

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- The value set at the connection level takes precedence over the value set at the application and host levels.
- The value set at the application level takes precedence over the value set at the host level.

(MFWK-15745)

## Resolved Issues

This release contains no resolved issues.

## Upgrade Notes

No special procedure is required to upgrade to release 8.5.000.03.

8.5.000.01

## Genesys Security Pack on UNIX 8.5.x Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
04/25/14	General		X	X	X	

### What's New

This release contains the following new features and enhancements:

- Genesys Security Pack is now able to properly handle certificate chains, sending out the intermediate certificates with the root certificate. To enable this, multiple certificates are specified in a comma-delimited list in the **Certificate** field when configuring TLS. The certificates are sent in the order in which they are specified. (MFWK-14131)
- Security Pack on UNIX supports a new virtualization platform. Refer to the *Genesys Supported Operating Environment Guide* for more information.

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### Resolved Issues

This release contains no resolved issues.

### Upgrade Notes

No special procedure is required to upgrade to release 8.5.000.01.