Genesys Security Deployment Guide

TLS SNI Extension Support

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Introduction

Starting with Genesys Security Pack on UNIX 8.5.100.23, it’s possible to specify TLS extension `server_name` by setting the **tls-target-name** option. Server Name Indication (SNI) is an extension to the Transport Layer Security (TLS) computer networking protocol by which a client indicates which host name it is attempting to connect to at the start of the handshaking process. For related RFC, see here.

This feature requires the **tls-target-name** option to work correctly. For information on the **tls-target-name** option, refer to tls-target-name.

Client-side and server-side support

On the client side:

- Both Windows and UNIX Security Pack implementations send the `server_name` extension.

> ### Important
> Both implementations send the `server_name` extension all the time. However, if you do not set the **tls-target-name** value, then wrong server name may be sent. This issue will be fixed in future iterations.

On the server side:

- Neither Windows nor UNIX Security Pack support this feature.

The **tls-target-name** setting causes the `server_name` extension to be sent to the server and causes the client to check this value against the subject/CN and/or SAN in the returned certificate from the server, even if connection was made using IP address instead of hostname. This check happens only if the **tls-target-name-check** option's value is set to `host`.