

SafeNet Agent for Microsoft Outlook Web App 2.1.5 INSTALLATION AND CONFIGURATION GUIDE



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CONTENTS

PREFACE	7
Audience	7
Related Documents	7
Support Contacts	7
Customer Support Portal	7
Telephone Support	8
Email Support	8
CHAPTER 1: Overview	
Applicability	9
System Requirements	9
CHAPTER 2: SafeNet Agent for Outlook Web App 2013	
Authentication Modes	
Setting Authentication Mode	
Standard Authentication Mode - Hardware/Software	
Split Authentication Mode	
Prerequisites	14
Installing SafeNet Agent for OWA 2013	14
Upgrading SafeNet Agent for OWA 2013	
Migrating SafeNet Agent for OWA 2013 Using Previous Configurations	
SafeNet Agent for Outlook Web App	21
Policy Tab	21
Authentication Methods Tab	23
Exceptions Tab	24
Communications Tab	
Logging Tab	
Localization Tab	29
CHAPTER 3: SafeNet Agent for Outlook Web App 2016/2019	
Authentication Modes	
Setting Authentication Mode	
Standard Authentication Mode - Hardware/Software	31
Split Authentication Mode	
Prerequisites	
Installing SafeNet Agent for OWA 2016/2019	
Upgrading SafeNet Agent for OWA 2016/2019	
Migrating SafeNet Agent for OWA 2016/2019 Using Previous Configuration	ns37
SateNet Agent for Outlook Web App	
Authentication Methods Tab	
Communications Tab	
Logging Tap	47

Localization T	Tab4	8
----------------	------	---

PREFACE

This document describes how to install and configure the **SafeNet Agent for Microsoft Outlook Web App** (OWA).

Audience

This document is intended for system administrators who are familiar with OWA and are interested in adding Multi-Factor Authentication (MFA) capabilities using the SafeNet solution.

All products manufactured and distributed by Thales Group are designed to be installed, operated, and maintained by personnel who have the knowledge, training, and qualifications required to safely perform the tasks assigned to them. The information, processes, and procedures contained in this document are intended for use by trained and qualified personnel only.

Related Documents

The following documents contain related or additional information:

> SafeNet Agent for Microsoft Outlook Web App 2.1.5: Customer Release Notes

Support Contacts

If you encounter a problem while installing, registering, or operating this product, please refer to the documentation before contacting support. If you cannot resolve the issue, contact your supplier or <u>Thales Group</u> <u>Customer Support</u>.

Thales Group Customer Support operates 24 hours a day, 7 days a week. Your level of access to this service is governed by the support plan arrangements made between Thales Group and your organization. Please consult this support plan for further information about your entitlements, including the hours when telephone support is available to you.

Customer Support Portal

The Customer Support Portal, at <u>https://supportportal.thalesgroup.com</u>, is a where you can find solutions for most common problems. The Customer Support Portal is a comprehensive, fully searchable database of support resources, including software and firmware downloads, release notes listing known problems and workarounds, a knowledge base, FAQs, product documentation, technical notes, and more. You can also use the portal to create and manage support cases.

NOTE: You require an account to access the Customer Support Portal. To create a new account, go to the portal and click on the **REGISTER** link.

Telephone Support

If you have an urgent problem, or cannot access the Customer Support Portal, you can contact Thales Group Customer Support by telephone at +1 410-931-7520. Additional local telephone support numbers are listed on the support portal.

Email Support

You can also contact technical support by email at <u>technical.support.DIS@thalesgroup.com</u>.

CHAPTER 1: Overview

The Outlook Web App (OWA) is Microsoft Exchange Server's web-based email client, allowing users to access email messages, contacts, and calendar using web browsers, without setting up a full email client.

The SafeNet solution delivers fully automated, highly secure authentication-as-a-service, with flexible token options tailored to the unique needs of different organizations, substantially reducing the total cost of operation. Strong authentication is easily achievable through the flexibility and scalability of SafeNet server automated workflows, vendor-agnostic token integrations, and broad APIs. In addition, management capabilities and processes are fully automated and customizable—providing a seamless and enhanced user experience. It also enables a quick migration to a multi-tier, multi-tenant cloud environment, protecting everything, from cloud-based and on-premises applications to networks, users, and devices.

The agent is designed to help Microsoft enterprise customers ensure that web-based resources are accessible only by authorized users, whether working remotely or inside the firewall. It delivers a simplified and consistent user login experience and helps organizations comply with regulatory requirements. The use of Two-Factor Authentication (2FA) instead of just traditional static passwords to access OWA is a critical step for information security.

This document describes how to:

- > Deploy 2 FA in OWA, managed by the SafeNet solution.
- > Deploy and configure using the SafeNet agent.

Applicability

The information in this document applies to:

- SafeNet Authentication Service Service Provider Edition (SAS SPE) The on-premises, server version targeted at service providers interested in hosting SafeNet server in their data center(s).
- SafeNet Authentication Service Private Cloud Edition (SAS PCE) The on-premises, server version targeted at organizations interested in hosting SafeNet server in their private cloud environment.
- > SafeNet Trusted Access (earlier, SAS Cloud) The SafeNet's cloud-based authentication service.

System Requirements

Network Port	> TCP 443
	> TCP 80
Architecture	> 64-bit
Web Servers	> IIS 7.0
	> IIS 7.5

Overview

	-					
	> IIS 8.0					
	> IIS 10					
Exchange Servers	> Microsoft Exchange Server 2013					
	> Microsoft Exchange Server 2016					
	> Microsoft Exchange Server 2019					
Operating Systems	> Windows Server 2012					
	> Windows Server 2012 R2					
	> Windows Server 2016					
	> Windows Server 2019					
	> Windows Server 2022					
Additional Software	> .NET 4.5.2 (for SafeNet Agent for Outlook Web App 2013, 2016, and 2019)					
	NOTE: If .NET Framework 4.5.2 (or above) is installed from the agent package, the Exchange Server will restart automatically.					
Web Browsers	> Internet Explorer (IE) 10 and 11					
	NOTE : Recommended browser for Microsoft Exchange Server 2013, Microsoft Exchange Server 2016, and Microsoft Exchange Server 2019 is Internet Explorer (IE) 11.					
	> Mozilla Firefox					
	> Google Chrome					
Additional Web Browsers	> Cookies must be enabled					
Requirements	> JavaScript must be enabled					
	> ActiveX must be enabled					
Authentication Methods	All tokens and authentication methods supported by the SafeNet server except Push OTP.					
SafeNet Authentication Service	> SAS PCE/SPE 3.9.1 (and later)					
(SAS) releases	 SafeNet Trusted Access (earlier, SAS Cloud) 					

CHAPTER 2: SafeNet Agent for Outlook Web App 2013

Authentication Modes

There are two modes of operation for the SafeNet OWA Agent. By default, **Split Authentication** mode is enabled. The authentication mode can be modified after installation using the <u>SafeNet Agent for Outlook Web</u> App.

The modes of operation are:

Mode	Description			
Standard Authentication Mode	Standard Authentication Mode enables a single stage login process. Microsoft domain and SafeNet credentials must be entered in the OWA login page.			
Split Authentication Mode	Split Authentication Mode enables a two-stage login process. In the first stage, users provide their Microsoft credentials. In the second stage, users provide their SafeNet credentials. This mode allow administrators to control authentication dialogs based on Microsoft groups or token type (such as GrIDsure). This is the preferred mode when migrating from static to one-time passwords.			

Setting Authentication Mode

Authentication mode is set in the SafeNet Agent for Outlook Web App, Authentication Tab.

See Authentication Methods Tab.

Standard Authentication Mode - Hardware/Software

- 1. Open OWA in your browser.
- 2. Enter Domain/User Name, Password and OTP, and click Sign in.

Outlook [®] We	eb App
Domain\user name:	
1	
Password:	
OTP:	
⊖ Sign in	

Split Authentication Mode

- 1. Open OWA in your browser.
- 2. Enter Domain/User Name and Password, and click Sign in.

Outlook [®] Web App
Domain\user name:
Password:
⊖ Sign in

GrIDsure

- 1. If configured for GrIDsure, do the following:
 - a. Click Sign In (leaving the OTP field empty).

Outlook [.] Web App)
OTP:	
Please enter OTP in OTP field.	
⊖ Sign in	

b. Enter the GrIDsure OTP, derived from your grid pattern, and click Sign in.

Outl	00	ok	V	Ve	eb	Арр
	2	0	1	5	0	
	7	8	2	6	4	
	0	1	5	3	4	
	8	7	9	6	3	
	9	1	7	2	9	
OTP: Please enter the cha	racters o	orrespo	nding to	o your se	elected p	attern in OTP field.
⊖ Sign in						

SMS Challenge

1. If your system is configured to send OTP via SMS, enter the Token Code received on your phone and click Sign in.

Outlook Web App	
OTP:	
④ Sign in	

Challenge-Response

1. If configured to work with Challenge Response, following login (in either Standard Authentication Mode or Split Authentication Mode), you will be prompted to respond to a challenge.

2. Send the challenge code, as displayed on the screen, to the designated recipient in your organization (typically System Administrator or Help Desk.

/eb App

In return, you will receive a response code.

3. Enter the response code into the **OTP** field and click **Sign in**.

Prerequisites

- > Ensure that TCP port 80 or 443 is open on the Exchange Server, which will act as a gateway of communication between the SafeNet OWA agent and the SafeNet solution.
- > Administrative rights to the Windows system are required during installation of the SafeNet OWA agent.
- > Download the Exchange Agent installation package. A link to the agents and other software can be found on the **Snapshot** tab in the **References** module for users of SafeNet server.

Installing SafeNet Agent for OWA 2013

IMPORTANT: Always work in **Run as administrator** mode when installing, configuring, upgrading, and uninstalling the agent. Always disable the agent first, and then uninstall, if required.

To install SafeNet OWA Agent, perform the following steps:

- 1. Login to the Microsoft Exchange server.
- 2. Locate and execute the following installation file: SafeNet Agent for Microsoft Outlook Web App 2013-2016-2019.exe
- 3. On the Welcome to the InstallShield Wizard for SafeNet Agent for Microsoft Outlook Web App window, click Next.
- 4. On the License Agreement window, read the software license agreement and to proceed, select I accept the terms in the license agreement, and click Next.

5. On the Authentication Server Pairing window, select the Authentication Server type, SAS Cloud (integrated via Authentication Nodes) or SAS PCE/SPE and click Next.

😸 SafeNet Agent for Microsoft Outlook Web App - Insta	IIShield Wiz 🗙
Authentication Server Pairing Select the authentication server being used with this agent installation.	gemalto [×]
 STA SAS Cloud (integrated via Applications) 	
○ SAS Cloud (integrated via Authentication Nodes)	
○ SAS PCE/SPE	
InstallShield < Back Next >	Cancel

- 6. On the **Customer Information** window, perform the following steps:
 - a. In the User Name field, enter your user name.
 - **b.** In the **Organization** field, enter the name of your organization.
 - c. Click Next.

Customer Information Please enter your information.	gemalto [×]
User Name: Windows User	
Organization:	
Install this application for:	
 Anyone who uses this computer (all users) 	
○ Only for me (Windows User)	
InstallShield	
< Back Ne	ext > Cancel

NOTE: To determine who will have access to the application, select one of the following:
Anyone who uses this computer (all users)
Only for me (Windows User)

- 7. On the Authentication Service Setup window, enter the following details, and click Next.
 - In the **Location** field, enter the hostname or IP address of the primary SafeNet server.
 - Select **Connect using SSL** if SafeNet server is configured to accept incoming SSL connections.
 - If a failover server is available, select the associated checkbox and add the hostname or IP address of a failover SafeNet server.

Authentication Service Setup Provide connection information for the Aut	hentication Server	gemalto security to be free
Please enter the hostname or IP Address Location: localhost	of your SafeNet Authentication	Server. res valid certificate)
, Specify failover SafeNet Authentication	on Server (optional)	
localhost InstallShield	Connect using SSL (requir	es valid certificate)
	< Back Next >	Cancel

- 8. On the **Destination Folder** window, perform one of the following steps:
 - To change the installation folder, click **Change** and navigate to the required folder, and then click **Next**.
 - To accept the default installation folder as displayed, click **Next**.

Click N	ext to install to this folder, or click Change to install to a different folder.
Ø	Install SafeNet Agent for Microsoft Outlook Web App to:
	C:\Program Files\Gemalto\Exchange\ Change
nstallShield	

To proceed, the InstallShield Wizard searches for the applicable Exchange Server version in the background. If the Exchange Server is not found, it prompts for the following additional selection:

a. On the Exchange Server Selection window, select the required Exchange Server version.

Exchange Server Selection Select version of Exchange Server to protect	gemalto security to be free
Select the version of Microsoft Exchange Server to protect Microsoft Exchange Server 2013 Microsoft Exchange Server 2016	
InstallShield	Cancel

9. On the Ready to Install the Program window, click Install.



10. Once the installation is completed, the **InstallShield Wizard Completed** window is displayed. Click **Finish** to exit the wizard.

Upgrading SafeNet Agent for OWA 2013

The SafeNet Agent for OWA 2.1.5 supports upgrade from 2.1.2 (and later). For upgrade, the configurations from the older version must be saved, and then imported into the new installation.

Direct upgrade from versions prior to 2.1.2 to the latest version of the agent is not supported. The earlier versions can be **migrated** to SafeNet Agent for OWA 2.1.5. For migrating from one version to another, see <u>Migrating SafeNet Agent for OWA 2013 Using Previous Configurations</u> section below.

NOTE: Disable the agent from the management console before proceeding with the upgrade.

Migrating SafeNet Agent for OWA 2013 Using Previous Configurations

The migration procedure requires export of the configurations from the previously installed version(s) followed by import of the configurations in the newly installed SafeNet OWA agent 2.1.5.

NOTE: The Export/ Import procedure can be performed only to and from the folder where the previous version of SafeNet OWA Agent was installed.

In the existing setup of the agent, perform the following steps:

- 1. In the previously installed SafeNet OWA agent, export the configurations as follows:
 - a. In the SafeNet Agent for Outlook Web App window, select File > Export Current Configuration.

Export Current Configuration	Alt+E	munications	Logging	Localization]		
Load Saved Configuration	Alt+L						
Exit	Alt+X						
Web Site							
Web Site Name	Default Web S	Site		Browse			
Protected Applications	/OWA						
Client IP Address Forwarding							
If selected, remote client's IP add	ress will be sen	t to SafeNet S	erver.				
 Otherwise SateNet will use web 	Server's IP add	dress for IP pa	sed rules.				
Send Remote Client IP Addr	ess to SafeNet	Server					
Send Remote Client IP Addr	ess to SafeNet	Server					
Send Remote Client IP Addr	ess to SafeNet	Server					
Send Remote Client IP Addr Comain stripping Strip UPN username@	ess to SafeNet @domain.com v	Server	usemame				
Send Remote Client IP Addr Comain stripping Strip UPN usemame(Strip VPN domain/us	ess to SafeNet @domain.com v emame will be :	Server will be sent as i sent as usema	usemame				
Send Remote Client IP Addr Domain stripping Strip UPN username(Strip NetBIOS domain\us	ess to SafeNet @domain.com v emame will be :	Server will be sent as usema	usemame ame				
Send Remote Client IP Addr Domain stripping Strip UPN username(Strip NetBIOS domain\us	ess to SafeNet @domain.com v emame will be :	Server will be sent as userna	usemame ame				
Send Remote Client IP Addr Domain stripping Strip UPN username(Strip NetBIOS domain\us	ess to SafeNet @domain.com v ername will be :	Server will be sent as userna	usemame ame				
Send Remote Client IP Addr Domain stripping Strip UPN usemame(Strip NetBIOS domain\us	ess to SafeNet @domain.com v emame will be :	Server will be sent as userna	usemame ame				
Send Remote Client IP Addr Domain stripping Strip UPN usemame(Strip NetBIOS domain\us	ess to SafeNet ⊉domain.com v emame will be :	Server will be sent as userna	usemame ame				
Send Remote Client IP Addr Domain stripping Strip UPN username(Strip NetBIOS domain\us	ess to SafeNet ≌domain.com v emame will be :	Server will be sent as userna	usemame ame				
Send Remote Client IP Addr Domain stripping Strip UPN username(Strip NetBIOS domain\us	ess to SafeNet @domain.com v ername will be :	Server will be sent as us	usemame ame				
Send Remote Client IP Addr Oomain stripping Strip UPN username(Strip NetBIOS domain\us	ess to SafeNet ≌domain.com v emame will be :	Server will be sent as a	usemame ame				
Send Remote Client IP Addr Domain stripping Strip UPN username(Strip NetBIOS domain\us	ess to SafeNet	Server will be sent as i	usemame ame				

- b. In the Save As dialog, click Save to save the configuration files.
- 2. Uninstall the previously installed SafeNet OWA agent.
- 3. Manually delete the Exchange folder (located at Program Files > SafeNet).
- 4. To install the new SafeNet Agent for OWA, run the installation file as an administrator: SafeNet Agent for Microsoft Outlook Web App 2013-2016-2019.exe

- 5. In the newly installed SafeNet Agent, load the saved settings as follows:
 - a. In the SafeNet Agent for Outlook Web App window, select File > Load Saved Configuration.

	on Alt+E munications Logging Localization	
Load Saved Configuration	Alt+L	
Exit	Alt+X	
Enable Agent		
Web Site		
Web Site Name	Default Web Site Browse	
Protected Applications	/OWA	
Client IP Address Forwarding		
If selected, remote client's IP ad	ddress will be sent to SafeNet Server.	
Otherwise, SareNet will use Wel	b Server's IP address for IP based rules.	
Send Remote Client IP Add	dress to SafeNet Server	
-		
Domain stripping		
Domain stripping Strip UPN usemame	a@domain.com will be sent as username	
Domain stripping Strip UPN usemame Strip NetBIOS domain\u	s@domain.com will be sent as usemame usemame will be sent as usemame	
Domain stripping Strip UPN usemame Strip NetBIOS domain \u	s@domain.com will be sent as username username will be sent as username	
Domain stripping Strip UPN username Strip NetBIOS domain\u	a@domain.com will be sent as username username will be sent as username	
Domain stripping Strip UPN username Strip NetBIOS domain \u	e@domain.com will be sent as username username will be sent as username	
Domain stripping Strip UPN username Strip NetBIOS domain \u	s@domain.com will be sent as usemame usemame will be sent as usemame	
Domain stripping	s@domain.com will be sent as usemame usemame will be sent as usemame	
Domain stripping Strip UPN username Strip NetBIOS domain \u	s@domain.com will be sent as username username will be sent as username	
Domain stripping Strip UPN username Strip NetBIOS domain \u	s@domain.com will be sent as username username will be sent as username	
Domain stripping Strip UPN username Strip NetBIOS domain \u	s@domain.com will be sent as username username will be sent as username	
Domain stripping Strip UPN username Strip NetBIOS domain \u	s@domain.com will be sent as username username will be sent as username	

- b. In the **Open** window, select the saved configuration file (.bsidconfig) and click **Open**.
- 6. Click OK.

NOTES: After migrating to the latest version, the **Split Authentication Mode** is selected, by default. If you require to change the settings, go to **SafeNet Agent for Outlook Web App > Authentication Methods** and select **Standard Authentication Mode**.

SafeNet Agent for Outlook Web App

The SafeNet Agent for Outlook Web App allows modification of various features available within the SafeNet OWA agent.

Policy Tab

File Help									
Policy Authentic	ation Methods	Exceptions	Communications	Logging	Localization				
Authentication P	rocessing								
✓ Enable Age	ent								
Web Site									51
Web Site Nan	ie	Default W	'eb Site		Browse				
Protected App	lications	/OWA							
Client IP Address	Forwarding								
If selected, ren Otherwise, Saf	note client's IP a eNet will use W	address will be 'eb Server's IF	sent to SafeNet S address for IP ba	erver. sed rules.					
Send Ren	note Client IP A	ldress to Safe	Net Server						
- Domain stripping									
Strip UPN	useman	ne@domain.c	om will be sent as i	usemame					
Strip NetB	OS domain'	usemame wil	be sent as usema	me					
								Activat	- 14/3
								ACTIVAL Go to Svs	
						OK	Cancel	activa ter t	Vindo

The **Policy** tab deals with enabling the OWA Agent and defining the website settings.

Authentication Processing Group

Enable Agent: Turns the SafeNet OWA agent On or Off. Default: Disabled

Web Site Group

- > Web Site Name: Allows selection of the Exchange Server website. Default: Default Web Site
- > Protected Applications: Specifies the OWA directory on the Exchange Server. Default: /owa

Client IP Address Forwarding Group

If selected, the remote client IP address will be sent to the SafeNet solution. Otherwise, the web server's IP Address will be used.

Default: Enabled

Domain Stripping

- Strip realm from UPN (<u>username@domain.com</u> will be sent as username): Select the checkbox if the SafeNet server username is required without the suffix @domain.
- Strip NetBIOS prefix (domain\username will be sent as username): Select the checkbox if the SafeNet server username is required without the prefix \domain.

NOTE: The realm-stripping feature applies to SafeNet server usernames only. Active Directory usernames are not affected.

Authentication Methods Tab

The **Authentication Methods** tab allows selection of the login authentication method and web page authentication layout as will be presented to the user.

File Help
Policy Authentication Methods Exceptions Communications Logging Localization
Authentication Methods
O Standard Authentication Mode
Standard authentication mode enables a single stage login process. Microsoft and SafeNet credentials must be entered into the login page.
Split Authentication Mode Split authentication mode enables a two-stage login process. In first stage, user provides their Microsoft credentials. In the
second stage, users provide their SafeNet credentials.
GrlDsure SMS Challenge-Response
Members of:
Remove
Activate Wi
Go to System in OK Cancel active Apptiving a

Authentication Methods Group

Standard Authentication Mode: As explained earlier, this mode enables a single-step login process. Microsoft and SafeNet credentials must be entered into a single login page. Default: Disabled

The Standard Authentication Mode provides the option to select one of two login templates:

- Hardware, Software, GrlDsure and SMS Challenge Token Detection: This is the default option. Domain\Username, Password, and OTP fields will be displayed.
- Hardware and Software Token Detection: Domain/Username, Password, and OTP fields will be displayed.
- Split Authentication Mode: As explained earlier, this mode enables a two-stage login process. In the first stage, users provide their Microsoft credentials. In the second stage, users provide their SafeNet credentials.

Default: Enabled

The Split Authentication Mode provides the following advantages over Standard Authentication Mode:

- Microsoft group exclusions may be used to migrate users gradually from static passwords to a combination of static and one-time passwords.
- Allow administrators to specify (via Microsoft Groups) users who have been provided with GrIDsure or SMS Challenge-response tokens. This allows for a seamless login experience as the agent displays exactly what is required from the user.
- Server users who have been assigned a GrIDsure token. When the agent detects a user within this group, it will automatically display a GrIDsure grid after they have provided valid Microsoft credentials.
- SMS Challenge-Response Tab (Optional): Allows an administrator to specify a Microsoft group that contains SafeNet server users who have been assigned an SMS Challenge-response token. When the agent detects a user within the group, it will automatically provide them with an OTP via SMS after they have provided valid Microsoft credentials.

Exceptions Tab

The **Exceptions** tab allows specific Microsoft groups or network traffic to bypass SafeNet authentication. By default, all users are required to perform SafeNet authentication unless otherwise defined by exclusion.

IP Range Exceptions / Inclusions Group

It allows an administrator to define which network traffic requires SafeNet authentication.

Group Authentication Exceptions Group

NOTE: While adding Security Groups, the groups having the **Domain Local** scope will not be visible in the OWA Manager. Only the universal and global domain groups will be visible.

Scoup Filter and Selected Groups: Group authentication exceptions omit single or multiple domain groups from performing SafeNet authentication. Only one group filter option is valid at any given time; it cannot overlap with another group authentication exception.

Default: Everyone must use SafeNet

roup Filter:	Selected Groups:	
Only selected groups must use SafeNet 🛛 🗸 🗸		Add
Everyone must use SafeNet Only selected groups will bypass SafeNet Only selected groups must use SafeNet	F	Remove
Select if users and groups exist in the same domain		

The following group authentication exceptions are available:

- Everyone must use SafeNet: All users must perform SafeNet authentication.
- Only selected groups will bypass SafeNet: All users are required to perform SafeNet authentication, except the defined Microsoft Group(s).
- Only selected groups must use SafeNet: All users are not required to perform SafeNet authentication, except the defined Microsoft Group(s). Adding a group authentication exception entry will display the following window:

Select Domain Grou	ps	
From this location:		
adlocal.com	Ý]
Enter the group names to select (<u>examples</u>):		Check Names
Highlight already selected groups in search result]	Show All
Search result:	Select All	UnSelect All
	ОК	Cancel
	- CA	00.1001

The following provides the field descriptions:

- From this location: Select the location from which the results will be searched.
- Enter the group name to select, used in conjunction with Check Names or Show all. It allows searching Microsoft groups.
- **Highlight already selected groups in search results**: If a Microsoft group is configured in the exception, selecting this checkbox will make it appear as a highlighted entry.
- Select if users and groups exist in the same domain: The checkbox ensures that the child domain is also effectively searched for users and groups. If selected, the group exclusions functionality will search and apply authentication exceptions even if both users and groups exist in the child domain. If the checkbox is cleared, exceptions will only be applied if both users and groups exist in the parent domain. Default value: Clear

Communications Tab

This tab deals with the various SafeNet server connection options.

ile Help
Policy Authentication Methods Exceptions Communications Logging Localization
Authentication Server Settings
Primary Server (IP:Port) 10.164.47.151 Use SSL (requires a valid certificate)
Failover Server (optional)
Disable SSL server certificate check
Select minimum SSL/TLS version TLS 1.0 V
Attempt to return to primary Authentication Server every: 10 👶 minute(s).
Agent Encryption Key File: c:\program files\Gemalto\exchange\bsidKey\Agent.bsidkey Browse
Passcode:
Server Status Check Test that the Authentication Server is online Test
Activate W
Go to System OK Cancel active?pply/ing

Authentication Server Settings Group

- Primary Server (IP:Port): It is used to configure the IP address/hostname of the primary SafeNet server. Default: Port 80
 Alternatively, Use SSL checkbox can also be selected.
 Default TCP port for SSL requests: 443
- Failover Server (Optional): It is used to configure the IP address/hostname of the failover SafeNet server. Default: Port 80

Alternatively, **Use SSL** checkbox can also be selected. Default TCP port for SSL requests: 443

> Disable SSL server certificate check: Select the checkbox to disable the SSL server certificate error check.

The SSL certificate check is enabled by default. This option enables you to disable the SSL server certificate error check. This supports backward compatibility for customers using the on-premises deployment of SafeNet server, within a well-controlled network where self-signed certificates are used and cannot be properly validated by the SafeNet OWA agent.

NOTE: We strongly recommend the use of SSL certificates.

> Select Minimum SSL/TLS version: Configure the agent communication to use TLS.

When the TLS option is selected the agent forces a secured TLS-based channel for processing authentication requests to SafeNet server. This is required as a consequence of the reported POODLE vulnerability in SSL.

For more details, click here.

- > Attempt to return to primary Authentication Server every: It sets the Primary Authentication server retry interval. This setting only takes effect when the agent is using the Failover Server.
- > Communication Timeout: It sets the maximum timeout value for authentication requests sent to the SafeNet server.
- > Agent Encryption Key File: It is used to specify the location of the SafeNet Agent Key File.

NOTE: If the SafeNet Agent Key File is changed, close and reopen the SAS Exchange Agent Configuration Tool to apply changes.

Authentication Test Group

It allow administrators to test authentication between the agent and the SafeNet server.

Server Status Check Group

It performs a test to verify a connection to the SafeNet server.

Logging Tab

File I	Help										
Policy	Authentic	ation Methods	Exception	s Comm	unications	Logging	Localization				
Logg	ing Level –										
Log	gging level	adjustment:									
					Ų						
1		2	3	4	5						
Critic	cal	Error Wa	ming l	Info	Debug						
	File Location	n									21
c:\p	rogram files	\Gemalto\exc	:hange\log\E	Exchange.	og						
										Browse	
										Activate	Wi
										Go to Syste	end i
								ОК	Cancel	activa (ephy)	ndo

Logging Level Group

It allow administrators to adjust the logging level. For log levels **1**, **2** and **3**, only the initial connection between the agent and the server, and any failed connection attempts, are logged. Drag the pointer on the **Logging level adjustment** scale to the required level:

1 – Critical: Very severe error events that might cause the application to terminate.

2 – Error: Error events that prevent normal program execution, but might still allow the application to continue running.

- **3 Warning**: Potentially harmful error events.
- 4 Info: Informational error events that highlight the progress of the application.
- 5 Debug: Detailed tracing error events that are useful to debug an application. (Default)

Log File Location Group

It allows administrators to specify the location where log files will be saved. The log file is rotated on a daily basis. The default location is C:\Program Files\Gemalto\exchange\log\Exchange.log.

Localization Tab

File Help	
Policy Authentication Methods Exceptions Communications Logging Localization	
Edit Resource Strings	
Comment Character ";" first character in line : blank lines will be ignored ; Please maintain sequence number or line number for message, it will be read line by line per message ; Warning; Escape \ with \ and " with ". You must escape captions which may breaks HTML.	
:Challenge/Response Reply Messages :0 CHALLENGE Please respond to the challenge:	ŧ.
:1 SERVER_PIN_PROVIDED Please re-authenticate, using the next response. Your new PIN is:	-
:2 USER_PIN_CHANGE Please enter a new PIN.	
:3 OUTER_WINDOW_AUTH Please re-authenticate, using the next response.	
I4 CHANGE_STATIC_PASSWORD Your password has expired. Please select a new password.	
:S STATIC_CHANGE_FAILED Password change failed. Please select a new password.	
I:S PIN_CHANGE_FAILED PIN change failed. Please select a new PIN.	
:7 AUTH_FAILURE Wrong SafeNet Credentials. Please try next OTP or contact system administrator.	
I:8 AUTH_SUCCESS OTP Validation Success	
:9 Error Messages Primary and / or Secondary Token Validator Web Service (s) are down. Can't Authenticate User. :10	
Failed to decrypt incoming message. ;11	
Web Service returned invalid result.	
Activate Activate	IVVI
OK Cancel ac try Apply.	<u>ind</u> ow

The settings on this tab represent the prompts and information messages provided by the SafeNet OWA agent. These can be modified as necessary to improve usability. The **Messages.txt** file can be manually modified outside of the SafeNet Microsoft Exchange Manager. This file can be found at the following location: **Program Files\Gemalto\Exchange\LocalizedMessages**

CHAPTER 3: SafeNet Agent for Outlook Web App 2016/2019

Authentication Modes

There are two modes of operation for the SafeNet OWA agent. By default, **Split Authentication** mode is enabled. The authentication mode can be modified after installation using the <u>SafeNet Agent for Outlook Web</u> <u>App</u>.

The modes of operation are:

Mode	Description
Standard Authentication Mode	Standard Authentication Mode enables a single-stage login process. Microsoft domain and SafeNet credentials must be entered in the OWA login page.
Split Authentication Mode	Split Authentication Mode enables a two-stage login process. In the first stage, users provide their Microsoft credentials. In the second stage, users provide their SafeNet credentials. This mode allow administrators to control authentication dialogs based on Microsoft groups or token type (such as GrIDsure). This is the preferred mode when migrating from static to one-time passwords.

Setting Authentication Mode

Authentication mode is set in the SafeNet Agent for Outlook Web App, Authentication Tab.

See Authentication Methods Tab.

Standard Authentication Mode - Hardware/Software

- 1. Open OWA in your browser.
- 2. Enter Domain/User Name, Password and OTP, and click Sign in.

0 ~ (Jut	100	K
Domain\user name			
Password:			
OTP:			

Split Authentication Mode

- 1. Open OWA in your browser.
- 2. Enter Domain/User Name and Password, and click Sign in.

Outlook
Domain\user name:
Password:
⊖ Sign in

GrIDsure

- 1. If configured for GrIDsure, do the following:
 - a. Click Sign In (leaving the OTP field empty).

OTP:	0 ~	ίΟι	utlo	ook
Please enter OTP in OTP field.	OTP:			
	Please enter (OTP in OTP field	I.	

b. Enter the GrIDsure OTP, derived from your grid pattern, and click Sign in.

1	7	7	8	5	9	0
3	1	1	8	9	6	4
0	4	2	0	7	7	7
5	4	5	9	5	3	2
6	2	6	9	5	3	0
3	4	2	8	6	3	9
1	2	4	1	6	0	8

SMS Challenge

1. If your system is configured to send OTP via SMS, enter the Token Code received on your phone and click Sign in.

• Outlook
OTP: Please enter the OTP you received on your cell phone.
⊖ Sign in

Challenge-Response

- 1. If configured to work with Challenge Response, following login (in either Standard Authentication Mode or Split Authentication Mode), you will be prompted to respond to a challenge.
- 2. Send the challenge code, as displayed on the screen, to the designated recipient in your organization (typically System Administrator or Help Desk.

• Outlook
OTP:
Please respond to the challenge:Enter your SafeNet Authentication Service static password.
④ Sign in

In return, you will receive a response code.

3. Enter the response code into the OTP field and click Sign in.

Prerequisites

- Ensure that TCP port 80 or 443 is open on the Exchange Server, which would act as a gateway of communication between the SafeNet OWA agent and the SafeNet solution.
- > Administrative rights to the Windows system are required during the installation of the SafeNet OWA agent.
- > Download the Exchange Agent installation package. A link to the agents and other software can be found on the **Snapshot** tab in the **References** module for users of the SafeNet server.

Installing SafeNet Agent for OWA 2016/2019

IMPORTANT: Always work in **Run as administrator** mode when installing, configuring, upgrading, and uninstalling the agent. Always disable the agent first, and then uninstall, if required.

To install the SafeNet OWA agent, follow the steps:

- 1. Log in to the Microsoft Exchange server.
- 2. Locate and execute the following installation file: SafeNet Agent for Microsoft Outlook Web App 2013-2016-2019.exe
- 3. On the Welcome to the InstallShield Wizard for SafeNet Agent for Microsoft Outlook Web App window, click Next.
- 4. On the License Agreement window, read the software license agreement and to proceed, select I accept the terms in the license agreement, and click Next.
- 5. On the Authentication Server Pairing window, select the Authentication Server type, SAS Cloud (integrated via Authentication Nodes) or SAS PCE/SPE and click Next.

SafeNet Agent for Microsoft Outlook Web App - InstallShield Wiz	
---	--

Authentication Server Pairing Select the authentication server being used with this agent installation.	gemalto [×]
 STA SAS Cloud (integrated via Applications) SAS Cloud (integrated via Authentication Nodes) 	
○ SAS PCE/SPE	
InstallShield	Cancel

- 6. On the Customer Information window, perform the following steps:
 - a. In the User Name field, enter your user name.
 - **b.** In the **Organization** field, enter the name of your organization.
 - c. Click Next.

Customer Information	remalto
Please enter your information.	security to be free
User Name:	
Windows User	
Organization:	
Install this application for:	
Install this application for:	
Install this application for: Anyone who uses this computer (all users) Only for me (Windows User) 	
Install this application for:	
Install this application for:	

NOTE: To determine who will have access to the application, select one of the following:
Anyone who uses this computer (all users)
Only for me (Windows User)

- 7. On the Authentication Service Setup window, enter the following details:
 - In the **Location** field, enter the hostname or IP address of the primary SafeNet server.
 - Select **Connect using SSL** if SafeNet server is configured to accept incoming SSL connections.
 - If a failover server is available, select the associated checkbox and add the hostname or IP address of a failover SafeNet server.

Authentication Service Setup Provide connection information for the Authentication Serv	ver genaltox
Please enter the hostname or IP Address of your SafeNe	et Authentication Server.
Location: localhost	using SSL (requires valid certificate)
Specify failover SafeNet Authentication Server (optic	onal)
Location:	using SSL (requires valid certificate)
InstallShield	
< Back	Next > Cancel

- 8. On the **Destination Folder** window, perform one of the following steps:
 - To change the installation folder, click **Change** and navigate to the required folder, and then click **Next**.
 - To accept the default installation folder as displayed, click **Next**.

Click N	ext to install to this folder, o	or click Change to install t	o a different folder.	gemalto
Ø	Install SafeNet Agent f	or Microsoft Outlook Web	App to:	
	C:\Program Files\Gemal	to\Exchange\		Change
t Bet - 11				
nstallShield	-	e Back	Nexts	Cancel

To proceed, the InstallShield Wizard searches for the applicable Exchange Server version in the background. If the Exchange Server is not found, it prompts for the following additional selection:

a. On the Exchange Server Selection window, select the required Exchange Server version.

Exchange Server Selection Select version of Exchange Server to p	protect		gemalto
Select the version of Microsoft Exchan	ige Server to protect		
O Microsoft Exchange Server 2013	3		
Microsoft Exchange Server 2016	6		
stallShield			062
	(Park	Nevts	Cancel

NOTE: Select *Microsoft Exchange Server 2016* for both Microsoft Exchange Server 2016 and Microsoft Exchange Server 2019.

9. On the Ready to Install the Program window, click Install.



10. Once the installation is completed, the InstallShield Wizard Completed window is displayed. Click Finish to exit the wizard.

Upgrading SafeNet Agent for OWA 2016/2019

The SafeNet Agent for OWA 2.1.5 supports upgrade from 2.1.2 (and later). For upgrade, the configurations from the older version must be saved, and then imported into the new installation.

Direct upgrade from versions prior to 2.1.2 to the latest version of the agent is not supported. The earlier versions can be **migrated** to SafeNet Agent for OWA 2.1.5. For migrating from one version to another, see <u>Migrating SafeNet Agent for OWA 2016/2019 Using Previous Configurations</u> section below.

NOTE: Disable the agent from the management console before proceeding with the upgrade.

Migrating SafeNet Agent for OWA 2016/2019 Using Previous Configurations

The migration procedure requires export of the configurations from the previously installed version(s) followed by import of the configurations in the newly installed SafeNet OWA agent 2.1.5.

NOTE: The Export/ Import procedure can be performed only to and from the folder where the previous version of SafeNet OWA Agent was installed.

In the existing setup of the agent, perform the following steps:

- 1. In the previously installed SafeNet OWA agent, export the configurations as follows:
 - a. In the SafeNet Agent for Outlook Web App window, select File > Export Current Configuration.

Export Current Configurat	ion Alt+E	munications Lo	gging Localizati	on		
Load Saved Configuration	Alt+L		333			
Exit	Alt+X					
Chable Agent						
Web Site						
Web Site Name	Default Web	Site	Brows	e		
Protected Applications	/OWA					
Client IP Address Forwarding						
If selected, remote client's IP a	address will be ser	nt to SafeNet Serv	er.			
	lah Canuara ID ad	later and free ID becaused	nies			
Otherwise, SafeNet will use W	eb Servers IF au	Idress for IP based	naiou.			
Send Remote Client IP A	ddress to SafeNet	Server	1000.			
Send Remote Client IP A	ddress to SafeNet	: Server				
Otherwise, SaferNet will use vi Send Remote Client IP A Domain stripping	ddress to SafeNet	aress for in based				
Otherwise, Sarenvet will use vi Send Remote Client IP Av Domain stripping Strip UPN useman	ddress to SafeNet	aress for in based : Server will be sent as user	name			
Otherwise, SareNet Will use V Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	ddress to SafeNet ne@domain.com	is Server will be sent as user sent as username	name			
Ornerwise, Sarenet will use vi Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	ddress to SafeNet ne@domain.com vusemame will be	idress for in based : Server will be sent as user sent as username	name			
Ornerwise, Sarenet will use vi Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	ddress to SafeNet ne@domain.com \usemame will be	aress for IP based : Server will be sent as user sent as username	name			
Ornerwise, Sarenet will use vi Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	ddress to SafeNet ne@domain.com vusemame will be	viers for in based : Server will be sent as user sent as username	name			
Ornerwise, Sarenet will use vi Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	ddress to SafeNet ne@domain.com	oress for in based : Server will be sent as user sent as username	name			
Ornerwise, Sarenet will use vi Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	ddress to Safe Net ne@domain.com vusemame will be	oress for in based : Server will be sent as user sent as username	name			
Ornerwise, SareNet Will use V Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	ddress to Safe Net	oress for in based	name			
Ornerwise, SareNet Will use V Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	Iddress to Safe Net	vires for in based	name			
Ornerwise, SareNet Will use V Send Remote Client IP A Domain stripping Strip UPN useman Strip NetBIOS domain	Iddress to Safe Net	vires for in based	name			

- b. In the Save As dialog, click Save to save the configuration files.
- 2. Uninstall the previously installed SafeNet OWA Agent.
- 3. Manually delete the Exchange folder (located at Program Files > SafeNet).
- 4. To install the new SafeNet Agent for OWA, run the installation file, as an administrator: SafeNet Agent for Microsoft Outlook Web App 2013-2016-2019.exe

- 5. In the newly installed agent, load the saved settings as follows:
 - a. In the SafeNet Agent for Outlook Web App window, select File > Load Saved Configuration.

	ation Alt+E	munications Loggin	ng Localization		
Load Saved Configuration	on Alt+L				
Exit	Alt+X				
Enable Agent					
Web Site					
Web Site Name	Default Web	Site	Browse		
Protected Applications	/OWA				
Client IP Address Forwarding					
If selected, remote client's I Otherwise, SafeNet will use	P address will be ser Web Server's IP ad	nt to SafeNet Server. Idress for IP based rule	s.		
Send Remote Client IP	Address to SafeNet	t Server			
Send Remote Client IP	Address to SafeNet	t Server			
Send Remote Client IP Domain stripping Strip UPN usern	Address to SafeNet	t Server will be sent as useman	le		
Send Remote Client IP Domain stripping Strip UPN usem Strip NetBIOS doma	Address to SafeNet name@domain.com in\usemame will be	t Server will be sent as useman sent as usemame	le		
Send Remote Client IP Domain stripping Strip UPN usem Strip NetBIOS doma	Address to SafeNet name@domain.com in\username will be	t Server will be sent as useman sent as usemame	le		
Send Remote Client IP Domain stripping Strip UPN usem Strip NetBIOS doma	Address to SafeNet name@domain.com in \username will be	t Server will be sent as useman sent as usemame	ie		
Send Remote Client IP Domain stripping Strip UPN usem Strip NetBIOS doma	Address to SafeNet	t Server will be sent as useman sent as usemame	le		
Send Remote Client IP Domain stripping Strip UPN usem Strip NetBIOS doma	Address to SafeNet aame@domain.com in∖username will be	t Server will be sent as useman sent as usemame	ie		
Send Remote Client IP Domain stripping Strip UPN usem Strip NetBIOS doma	Address to SafeNet name@domain.com in \username will be	t Server will be sent as useman sent as usemame	ne		
Send Remote Client IP Domain stripping Strip UPN usem Strip NetBIOS doma	Address to SafeNet	t Server will be sent as useman	le		
Send Remote Client IP Domain stripping Strip UPN usem Strip NetBIOS doma	Address to SafeNet	t Server will be sent as useman s sent as usemame	le		

- b. In the **Open** window, select the saved configuration file (.bsidconfig) and click **Open**.
- 6. Click OK.

NOTE: After migrating to the latest version, the **Split Authentication Mode** is selected, by default. If you require to change the settings, go to **SafeNet Agent for Outlook Web App > Authentication Methods** and select **Standard Authentication Mode**.

SafeNet Agent for Outlook Web App

The SafeNet Agent for Outlook Web App allows modification of various features available within the SafeNet OWA agent.

Policy Tab

File Help								
Policy Authentication Methods	Exceptions	Communications	Logging	Localization				_
Authentication Processing								
✓ Enable Agent								
Web Site								
Web Site Name	Default We	b Site		Browse				
Protected Applications	/OWA							
Client IP Address Forwarding								
If selected, remote client's IP Otherwise, SafeNet will use V	address will be Veb Server's IP	sent to SafeNet S address for IP bar	erver. sed rules					
Send Remote Client IP 4	ddraes to Safat	lat Server						
		ACT OCIVEI						
Domain stripping								
Strip UPN usema	me@domain.co	m will be sent as u	usemame					
Strip NetBIOS domain	\usemame will	be sent as usema	me					
							Activato	Wie
							Go to Syste	min
					ОК	Cancel	activa te¤W i	ndow

The **Policy** tab deals with enabling the OWA Agent and defining the website settings.

Authentication Processing Group

Enable Agent: Turns the SafeNet OWA agent On or Off. Default: Disabled

Web Site Group

- > Web Site Name: Allows selection of the Exchange Server website. Default: Default Web Site
- > Protected Applications: Specifies the OWA directory on the Exchange Server. Default: /owa

Client IP Address Forwarding Group

If selected, the remote client IP address will be sent to the SafeNet solution. Otherwise, the web server's IP Address will be used.

Default: Enabled

Domain Stripping

- Strip realm from UPN (<u>username@domain.com</u> will be sent as username): Select the checkbox if the SafeNet server username is required without the suffix @domain.
- Strip NetBIOS prefix (domain\username will be sent as username): Select the checkbox if the SafeNet server username is required without the prefix \domain.

NOTE: The realm-stripping feature applies to SafeNet server usernames only. Active Directory usernames are not affected.

Authentication Methods Tab

The **Authentication Methods** tab allows selection of the login authentication method and web page authentication layout as will be presented to the user.

File Help
Policy Authentication Methods Exceptions Communications Logging Localization
Authentication Methods
Standard Authentication Mode
Standard authentication mode enables a single stage login process. Microsoft and SafeNet credentials must be entered into the login page.
Split Authentication Mode
Split authentication mode enables a two-stage login process. In first stage, user provides their Microsoft credentials. In the second stage, users provide their SafeNet credentials.
GrlDsure SMS Challenge-Response
Members of:
Add
Remove
Activate wi
OK Cancel activaterWindo

Authentication Methods Group

 Standard Authentication Mode: As explained earlier, this mode enables a single-step login process. Microsoft and SafeNet credentials must be entered into a single login page. Default: Disabled

The Standard Authentication Mode provides the option to select one of two login templates:

- Hardware, Software, GrlDsure and SMS Challenge Token Detection: This is the default option. Domain\Username, Password, and OTP fields will be displayed.
- Hardware and Software Token Detection: Domain/Username, Password, and OTP fields will be displayed.
- Split Authentication Mode: As explained earlier, this mode enables a two-stage login process. In the first stage, users provide their Microsoft credentials. In the second stage, users provide their SafeNet credentials.

Default value: Enabled

The Split Authentication Mode provides the following advantages over Standard Authentication Mode:

• Microsoft group exclusions may be used to migrate users gradually from static passwords to a combination of static and one-time passwords.

- Allow administrators to specify (via Microsoft Groups) users who have been provided with GrIDsure or SMS Challenge-response tokens. This allows for a seamless login experience as the agent displays exactly what is required from the user.
- Server users who have been assigned a GrIDsure token. When the agent detects a user within this group, it will automatically display a GrIDsure grid after they have provided valid Microsoft credentials.
- SMS Challenge-Response Tab (Optional): Allows an administrator to specify a Microsoft group that contains SafeNet server users who have been assigned an SMS Challenge-response token. When the agent detects a user within the group, it will automatically provide them with an OTP via SMS after they have provided valid Microsoft credentials.

Exceptions Tab

The **Exceptions** tab allows specific Microsoft groups or network traffic to bypass SafeNet authentication. By default, all users are required to perform SafeNet authentication unless otherwise defined by exclusion.

File Help	
Policy Authentication Methods Exceptions Communicat	tions Logging Localization
Policy Authentication Methods Exceptions Communicat IP Range Exclusions / Inclusions IP address which will either require or not require the use If client IP satisfies this filter, the authentication form will n By default, all IPs will:	ions Logging Localization of a token. You can either use the inclusion or exclusion list, but not both. ot be intercepted and user should see regular authentication form. tion O Not require a token for authentication Add Remove Edt Edt
Group Authentication Exceptions Control SafeNet authentication based on Domain Groups	(Universal and Global group scope only)
Only selected among must use SafeNet	adlocal.com/groupExempted
Select if users and groups exist in the same domain	Remove
	OK Cancel Apply

IP Range Exceptions / Inclusions Group

It allows an administrator to define which network traffic requires SafeNet authentication.

Group Authentication Exceptions Group

NOTE: While adding Security Groups, the groups having the **Domain Local** scope will not be visible in the OWA Manager. Only the universal and global domain groups will be visible.

 Group Filter and Selected Groups: Group authentication exceptions omit single or multiple domain groups from performing SafeNet authentication. Only one group filter option is valid at any given time; it cannot overlap with another group authentication exception.
 Default value: Everyone must use SafeNet

Group Augentication Exceptions Control SafeNet authentication based on Windows Grou	ups	
Group Filter:	Selected Groups:	
Only selected groups must use SafeNet		Add
Everyone must use SafeNet Only selected groups will bypass SafeNet Only selected groups must use SafeNet		Remove
Select if users and groups exist in the same domain		

The following group authentication exceptions are available:

- Everyone must use SafeNet: All users must perform SafeNet authentication.
- **Only selected groups will bypass SafeNet:** All users are required to perform SafeNet authentication, except the defined Microsoft Group(s).
- Only selected groups must use SafeNet: All users are not required to perform SafeNet authentication, except the defined Microsoft Group(s). Adding a group authentication exception entry will display the following window:

From this location:		
adlocal.com		้า
Enter the group names to select (examples):		Charle News
		Check Names
Highlight already selected groups in search result		Show All
Search meult	Select All	UnSelect All
L		

The following provides the field descriptions:

- **From this location:** Select the location from which the results will be searched.
- Enter the group name to select, used in conjunction with Check Names or Show all. It allows searching Microsoft groups.

- Highlight already selected groups in search results: If a Microsoft group is configured in the
 exception, selecting this checkbox will make it appear as a highlighted entry.
- Select if users and groups exist in the same domain: The checkbox ensures that the child domain is also effectively searched for users and groups. If selected, the group exclusions functionality will search and apply authentication exceptions even if both users and groups exist in the child domain. If the checkbox is cleared, exceptions will only be applied if both users and groups exist in the parent domain. Default value: Clear

Communications Tab

This tab deals with the various SafeNet server connection options.

File Help	
Policy Authentication Methods Exceptions Communications Logging Localization	
Authentication Server Settings	
Primary Server (IP:Port) 10.164.47.151 Use SSL (requires a valid certificate)	
Failover Server (optional) Use SSL (requires a valid certificate)	
Disable SSL server certificate check	
Select minimum SSL/TLS version TLS 1.0 V	
Attempt to return to primary Authentication Server every:	
Agent Encryption Key File: c:\program files\Gemalto\exchange\bsidKey\Agent.bsidkey	Browse
User Name: Passcode: Test	
Server Status Check Test that the Authentication Server is online Test	
	Activate W
OK Cancel	Go to System in activa

Authentication Server Settings Group

 Primary Server (IP:Port): It is used to configure the IP address/hostname of the primary SafeNet server. Default: Port 80

Alternatively, **Use SSL** checkbox can also be selected. Default TCP port for SSL requests: 443

- Failover Server (Optional): It is used to configure the IP address/hostname of the failover SafeNet server. Default: Port 80 Alternatively, Use SSL checkbox can also be selected. Default TCP port for SSL requests: 443
- > Disable SSL server certificate check: Select the checkbox to disable the SSL server certificate error check.

The SSL certificate check is enabled by default. This option enables you to disable the SSL server certificate error check. This supports backward compatibility for customers using the on-premises deployment of SafeNet server, within a well-controlled network where self-signed certificates are used and cannot be properly validated by the SafeNet OWA agent.

NOTE: We strongly recommend the use of SSL certificates.

> Select Minimum SSL/TLS version: Configure the agent communication to use TLS.

When the TLS option is selected the agent forces a secured TLS-based channel for processing authentication requests to SafeNet server. This is required as a consequence of the reported POODLE vulnerability in SSL.

For more details, click here.

- > Attempt to return to primary Authentication Server every: It sets the Primary Authentication server retry interval. This setting only takes effect when the agent is using the **Failover Server**.
- > Communication Timeout: It sets the maximum timeout value for authentication requests sent to the SafeNet server.
- > Agent Encryption Key File: It is used to specify the location of the SafeNet Agent Key File.

NOTE: If the SafeNet Agent Key File is changed, close and reopen the SAS Exchange Agent Configuration Tool to apply changes.

Authentication Test Group

It allow administrators to test authentication between the agent and the SafeNet server.

Server Status Check Group

It performs a test to verify a connection to the SafeNet server.

Logging Tab

Fi	le H	Help						7				
F	olicy	Authent	ication Me	ethods Excep	tions Corr	munications	Logging	Localization				
	Loggi	ing Level										
	Log	gging leve	el adjustm	ent:								
	1		2	3	4	5						
	Critic	cal	Error	Warning	Info	Debug						
	-Log F	File Locat	ion									
	c:\p	rogram fil	es\Gemal	to\exchange\lo	a\Exchance	e.loa						1
												1
											Browse]
											Activate	Wi
											Go to Syst	emin
									OK	Can	cel activaApply	/indo

Logging Level Group

It allow administrators to adjust the logging level. For log levels **1**, **2** and **3**, only the initial connection between the agent and the server, and any failed connection attempts, are logged. Drag the pointer on the **Logging level adjustment** scale to the required level:

1 – Critical: Very severe error events that might cause the application to terminate.

2 – Error: Error events that prevent normal program execution, but might still allow the application to continue running.

- **3 Warning**: Potentially harmful error events.
- 4 Info: Informational error events that highlight the progress of the application.
- 5 Debug: Detailed tracing error events that are useful to debug an application. (Default)

Log File Location Group

It allow administrators to specify the location where log files will be saved. The log file is rotated on a daily basis. The default location is C:\Program Files\Gemalto\exchange\log\Exchange.log.

Localization Tab

Sile Help										
Policy Authentication Methods Exceptions Communications Logging Localization										
Edit Resource Strings										
Comment Character ";" first character in line blank lines will be ignored please maintain sequence number or line number for message, it will be read line by line per message Warning: Escape \ with \ and " with ". You must escape captions which may breaks HTML.										
:Challenge/Response Reply Messages :0 CHALLENGE Please respond to the challenge:	E									
:1 SERVER_PIN_PROVIDED Please re-authenticate, using the next response. Your new PIN is:										
:2 USER_PIN_CHANGE Please enter a new PIN.										
:3 OUTER_WINDOW_AUTH Please re-authenticate, using the next response.										
:4 CHANGE_STATIC_PASSWORD Your password has expired. Please select a new password.										
:5 STATIC_CHANGE_FAILED Password change failed. Please select a new password.										
:6 PIN_CHANGE_FAILED PIN change failed. Please select a new PIN.										
:7 AUTH_FAILURE Wrong SafeNet Credentials. Please try next OTP or contact system administrator.										
:8 AUTH_SUCCESS OTP Validation Success										
) Error Messages timary and ∕or Secondary Token Validator Web Service (s) are down. Can't Authenticate User. 10 ailed to decrypt incoming message. 11										
Web Service returned invalid result.										
Activate	Win									
OK Cancel active Apply.	<u>em</u> in findow									

The settings on this tab represent the prompts and information messages provided by the SafeNet OWA agent. These can be modified as necessary to improve usability. The **Messages.txt** file can be manually modified outside of the SafeNet Microsoft Exchange Manager. This file can be found at the following location: **Program Files\Gemalto\Exchange\LocalizedMessages**