

Decryption Policies

The following topics provide an overview of decryption policy creation, configuration, management, and logging.

- About Decryption Policies, on page 1
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- Create a decryption policy , on page 2
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- Default handling options for undecryptable traffic, on page 13
- Decryption policy advanced options, on page 16

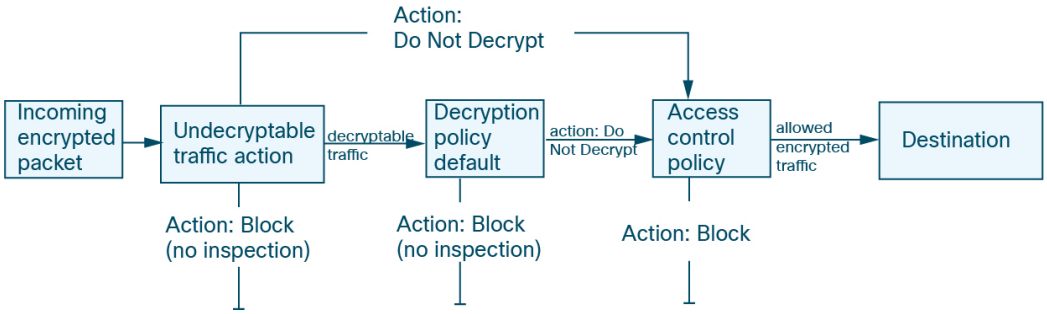
About Decryption Policies

A decryption policy determines how the system handles encrypted traffic on your network. You can configure one or more decryption policies, associate a decryption policy with an access control policy, then deploy the access control policy to a managed device. When the device detects a TCP handshake, the access control policy first handles and inspects the traffic. If it subsequently identifies a TLS/SSL-encrypted session over the TCP connection, the decryption policy takes over, handling and decrypting the encrypted traffic.

You can create multiple rules at the same time, including rules for decrypting incoming traffic (**Decrypt - Known Key** rule action) and outgoing traffic (**Decrypt - Resign** rule action). To create a rule with a **Do Not Decrypt** or other rule action (such as **Block** or **Monitor**), create an empty decryption policy and add the rule afterward.

Do Not Decrypt policy example

Following is an example decryption policy with a **Do Not Decrypt** rule action:



The simplest decryption policy, as shown in the following diagram, directs the device where it is deployed to handle encrypted traffic with a single default action. You can set the default action to block decryptable traffic without further inspection, or to inspect undecrypted decryptable traffic with access control. The system can then either allow or block the encrypted traffic. If the device detects undecryptable traffic, it either blocks the traffic without further inspection or does not decrypt it, inspecting it with access control.

Requirements and Prerequisites for Decryption Policies

Supported domains

Any

User roles

- Admin
- Access Admin
- Network Admin

Create a decryption policy

A decryption policy is a rule-based security policy that controls how encrypted network traffic is handled.

Create decryption policy to protect outbound and inbound network connections through various rule actions.

You can create any of these types of decryption policies:

- *Outbound protection* policy with rules that protect outbound connections. The destination server is outside your protected network. This type of rule has a **Decrypt - Resign** rule action.

  Refer to Create a decryption policy with outbound connection protection, on page 2 for guidance on creating a decryption rule with outbound connection.

- *Inbound protection* policy with a rule that protects inbound connections; that is, the destination server is inside your protected network. This type of rule has a **Decrypt - Known Key** rule action.

  Refer to Create a decryption policy with inbound connection protection, on page 4 or guidance on creating a decryption rule with inbound connection.

- Other actions (including **Do Not Decrypt**, **Block**, and **Block with Reset**).

  See Create a decryption policy with other rule actions, on page 11

Create a decryption policy with outbound connection protection

This task creates a decryption policy that protects outbound connections by intercepting and decrypting SSL/TLS traffic between internal clients and external servers, then re-encrypting the traffic with an internal CA certificate.

This task discusses how to create a decryption policy with a rule that protects outbound connections; that is, the destination server is outside your protected network. This type of rule has a **Decrypt - Resign** rule action.

When you create a decryption policy, you can create multiple rules at the same time, including multiple **Decrypt - Known Key** rules and multiple **Decrypt - Resign** rules.

Before you begin

You can optionally must upload or generate an internal CA certificate for your managed device before you can create a decryption policy that protects outbound connections. You can do this in any of the following ways:

- Create an internal CA certificate object by going to **Objects** > **Object Management** > **PKI** > **Internal CAs** and referring to PKI objects.
- At the time you create this decryption policy.

Follow these steps to create a decryption policy with outbound connection protection:

Procedure

Step 1 Log in to Secure Firewall Management Center if you haven't already done so.

Step 2 Click **Policies** > **Access Control heading** > **Decryption**.

Step 3 Click **Create Decryption Policy**.

Step 4 Give the policy a unique **Name** and, optionally, a **Description**.

The following characters are not supported in decryption policy names:

- Leading period
- `#,&,{,},=,$,<,>`

Step 5 Click the **Outbound Connections** tab.

Step 6 From the **Internal CA** list, upload or choose certificates for the rules.

For more information about internal certificates, see Generate an internal CA for outbound protection, on page 9 and Upload an internal CA for outbound protection, on page 10.

a) (Optional.) Choose networks and ports.

For more information:

- Network rule conditions
- Best practice: use application-based rules over port-based rules

What to do next

- Add rule conditions: Decryption Rule conditions
- Add a default policy action: Decryption policy default actions, on page 13
- Configure logging options for the default action as described in *Logging Connections with a Policy Default Action* in the *Cisco Secure Firewall Management Center Administration Guide* .

- Set advanced policy properties: Decryption policy advanced options, on page 16.
- Associate the decryption policy with an access control policy as described in Associate prefilter, decryption, and identity policies with an access control.
- Deploy configuration changes; see Deploy configuration changes.

Create a decryption policy with inbound connection protection

This task creates a decryption policy that protects inbound connections using either a **Decrypt - Known Key** rule action.

This task discusses how to create a decryption policy with a rule that protects inbound connections; that is, the destination server is inside your protected network. This type of rule has a **Decrypt - Known Key** rule action.

When you create a decryption policy, you can create multiple rules at the same time, including multiple **Decrypt - Known Key** rules and multiple **Decrypt - Resign** rules.

Before you begin

You must upload an internal certificate for your internal server before you can create a decryption policy that protects inbound connections. You can do this in any of the following ways:

- Create an internal certificate object by going to **Objects** > **Object Management** > **PKI** > **Internal Certs** and referring to PKI objects.
- At the time you create this decryption policy.

Follow these steps to create a decryption policy with inbound connection protection:

Procedure

Step 1 Log in to Secure Firewall Management Center if you haven't already done so.

Step 2 Click **Policies** > **Access Control heading** > **Decryption**.

Step 3 Click **Create Decryption Policy**.

Step 4 Perform these steps:

a) Give the policy a unique **Name** and, optionally, a **Description**.

The following characters are not supported in decryption policy names:

- Leading period
- `#,;,{,},=,$,<,>`

b) From the **Internal Certificates** list, upload or choose certificates for the rules.

For more information about internal CA certificates, see Internal certificate authority objects.

c) (Optional.) Choose networks and ports.

For more information:

- Network rule conditions

- Best practice: use application-based rules over port-based rules

d) Click **Next**.

Step 5 Continue with Configure Decryption policy exclusions, on page 5.

Step 6 Click **Save**.

What to do next

- Add rule conditions: Decryption Rule conditions
- Add a default policy action: Decryption policy default actions, on page 13
- Configure logging options for the default action as described in *Logging Connections with a Policy Default Action* in the *Cisco Secure Firewall Management Center Administration Guide*.
- Set advanced policy properties: Decryption policy advanced options, on page 16.
- Associate the decryption policy with an access control policy as described in Associate prefilter, decryption, and identity policies with an access control.
- Deploy configuration changes; see Deploy configuration changes.

Configure Decryption policy exclusions

This task helps you create exclusions in your decryption policy to prevent decryption of traffic that should remain encrypted for compliance, security, or functional reasons.

This task discusses how to exclude certain types of traffic from decryption. We create **Do Not Decrypt** rules in your decryption policy for this purpose. The rules are initially enabled only for an outbound decryption policy (a policy that uses the **Decrypt - Resign** policy action).

Before you begin

You must upload an internal CA certificate for your managed device before you can create a decryption policy that protects outbound connections. You can do this in any of the following ways:

- Create an internal CA certificate object by going to **Objects** > **Object Management** > **PKI** > **Internal CAs** and referring to PKI objects.
- At the time you create this decryption policy.

Follow these steps to configure decryption policy exclusions:

Procedure

Step 1 Complete the tasks discussed in:

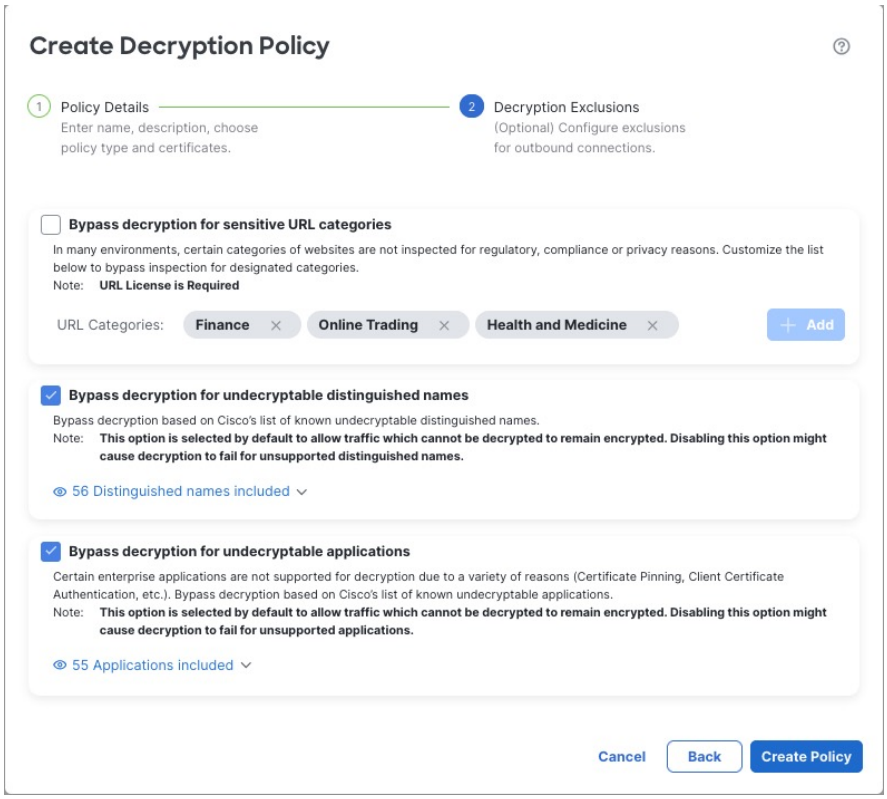
- Create a decryption policy with outbound connection protection, on page 2
- For more information, see Create a decryption policy with inbound connection protection, on page 4

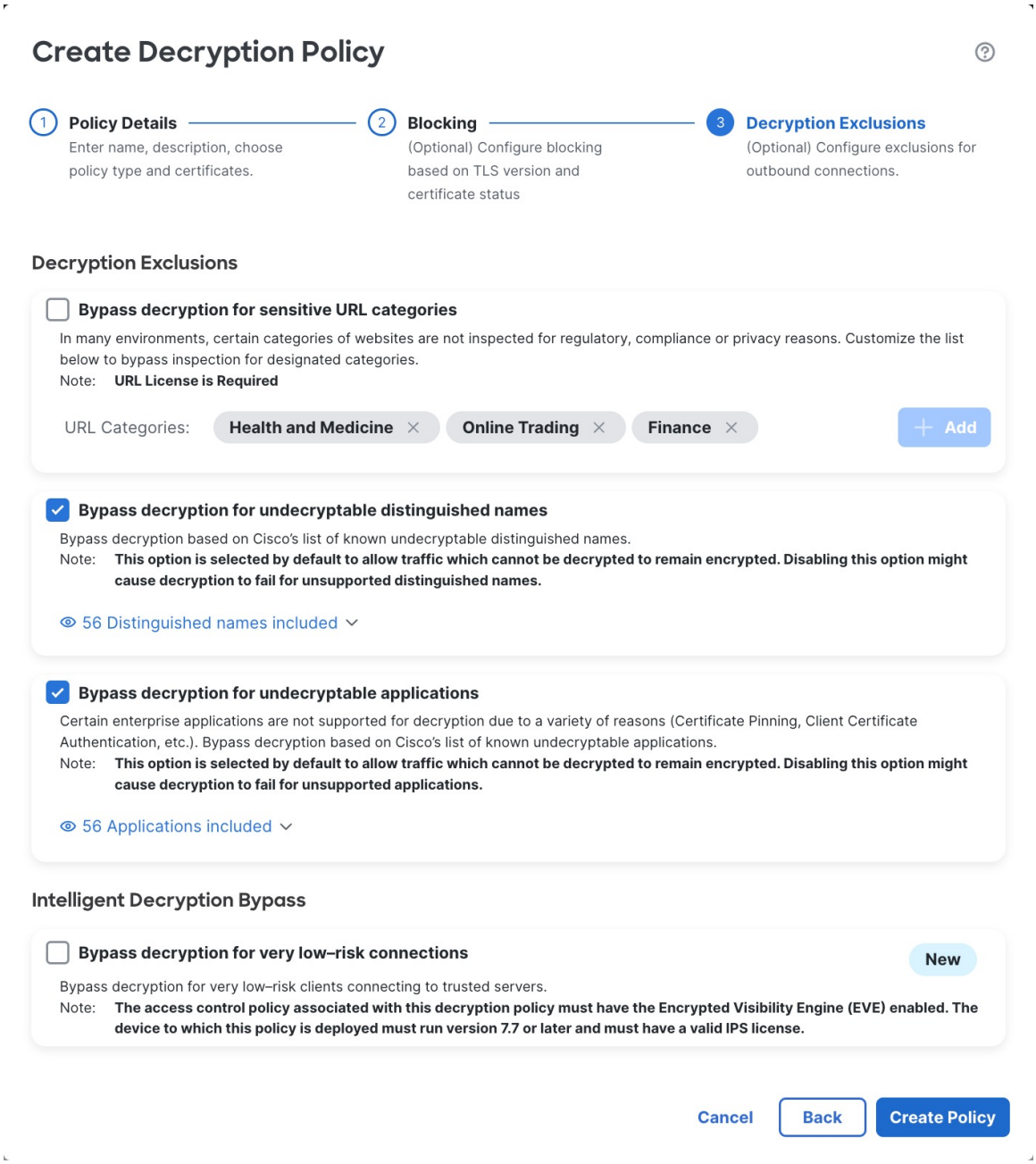
Step 2 Select the appropriate exclusion options based on your security requirements.

The exclusions page provides the following options. All options are *enabled* for an outbound protection policy (**Decrypt - Resign** rule action) and *disabled* for all other decryption policy actions.

Item	Description
Bypass decryption for sensitive URL categories	Check the box to not decrypt traffic from the indicated categories. Depending on the laws in your area, decryption certain traffic, such as finance or health-related, might be prohibited. Consult an authority in your area for more information. Click **Add** to add more categories. Click **Delete** (✕) to remove categories.
Bypass decryption for undecryptable distinguished names	Check the box to not decrypt traffic when re-signing the certificate is likely to cause the connection to fail. Typically, this behavior is associated with *certificate pinning*, which is discussed in TLS/SSL certificate pinning guidelines. The list of undecryptable distinguished names is maintained by Cisco.
Bypass decryption for undecryptable applications	Check the box to not decrypt traffic when re-signing the certificate is likely to cause the connection to fail. Typically, this behavior is associated with *certificate pinning*, which is discussed in TLS/SSL certificate pinning guidelines. Undecryptable applications are updated automatically in the Vulnerability Database (VDB). You can find a list of all applications on the Secure Firewall Application Detectors page; the **undecryptable** tag identifies applications Cisco determines are undecryptable. The list of undecryptable applications is maintained by Cisco.

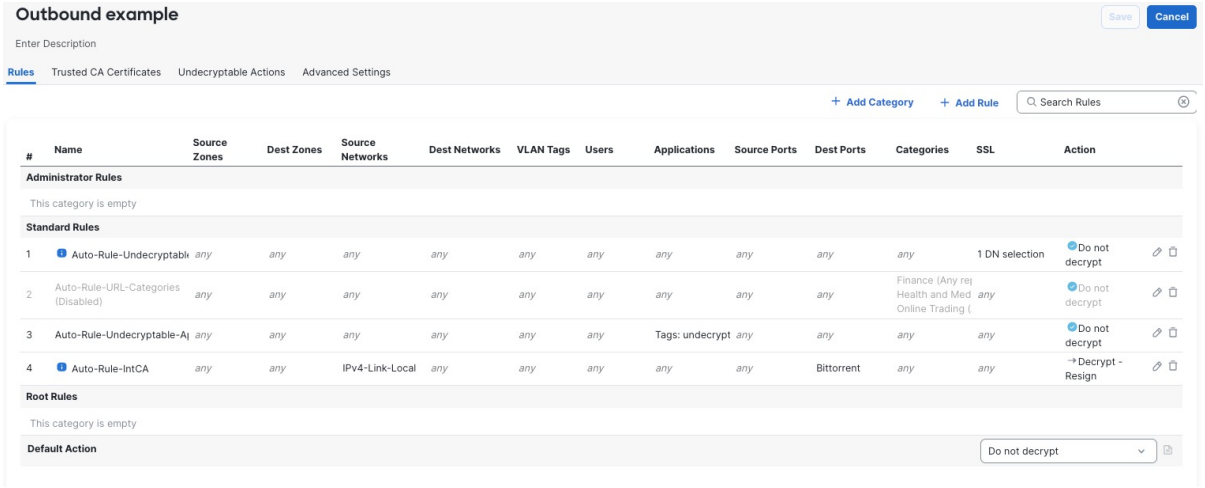
This figure shows default options.


Create Decryption Policy
1 Policy Details
Enter name, description, choose policy type and certificates.
2 Decryption Exclusions
(Optional) Configure exclusions for outbound connections.
Bypass decryption for sensitive URL categories
In many environments, certain categories of websites are not inspected for regulatory, compliance or privacy reasons. Customize the list below to bypass inspection for designated categories.
Note: URL License is Required
URL Categories:
Finance
Online Trading
Health and Medicine
Add
Bypass decryption for undecryptable distinguished names
Bypass decryption based on Cisco's list of known undecryptable distinguished names.
Note: This option is selected by default to allow traffic which cannot be decrypted to remain encrypted. Disabling this option might cause decryption to fail for unsupported distinguished names.
56 Distinguished names included
Bypass decryption for undecryptable applications
Certain enterprise applications are not supported for decryption due to a variety of reasons (Certificate Pinning, Client Certificate Authentication, etc.). Bypass decryption based on Cisco's list of known undecryptable applications.
Note: This option is selected by default to allow traffic which cannot be decrypted to remain encrypted. Disabling this option might cause decryption to fail for unsupported applications.
55 Applications included
Cancel
Back
Create Policy



Step 3 Click **Create Policy**.

This figure shows a sample outbound protection policy.



In the preceding example, the **Do Not Decrypt** rules corresponding to your choices for rule exclusions are automatically added before the **Decrypt - Resign** rule. The rule for sensitive URL categories is disabled because, by default, that exclusion is disabled. Had you selected the **Bypass decryption for sensitive URL categories** check box, the rule would have been enabled.

What to do next

- Add rule conditions: Decryption Rule conditions
- Add a default policy action: Decryption policy default actions, on page 13
- Configure logging options for the default action as described in *Logging Connections with a Policy Default Action* in the *Cisco Secure Firewall Management Center Administration Guide* .
- Set advanced policy properties: Decryption policy advanced options, on page 16.
- Associate the decryption policy with an access control policy as described in Associate prefilter, decryption, and identity policies with an access control.
- Deploy configuration changes; see Deploy configuration changes.

Generate an internal CA for outbound protection

This task allows you to generate an internal certificate authority object to protect outbound connections when creating a decryption rule.

This task discusses how you can optionally generate an internal certificate authority when you create a decryption rule that protects outbound connections. You can also perform these tasks using **Objects** > **Object Management** as discussed in Upload a signed certificate issued in response to a CSR.

Before you begin

Make sure you understand the requirements for generating an internal certificate authority object as discussed in Internal certificate authority objects.

Procedure

Step 1 From the **Internal CA** list, click **Create New** > **Generate CA**.

Step 2 Give the internal CA a **Name** and provide a two-letter **Country Name**.

Step 3 Click **Self-Signed** or **CSR**.

For more information about these options, see Internal certificate authority objects.

Step 4 Enter the requested information in the provided fields.

Step 5 Click **Save**.

Step 6 If you chose **CSR**, after the signing request has been completed, click **Install Certificate** as follows:

a) Repeat the preceding steps in this procedure.

b) Edit the CA from the **Internal CA** list as follows.



c) Click **Install Certificate**.

d) Follow the prompts on your screen to complete the task.

Step 7 Continue creating the policy as discussed in Create a decryption policy with outbound connection protection, on page 2.

Upload an internal CA for outbound protection

Upload an internal certificate authority to create a decryption rule that protects outbound connections.

This task discusses how you can optionally upload an internal certificate authority when you create a decryption rule that protects outbound connections. You can also perform these tasks using **Objects** > **Object Management** as discussed in Upload a signed certificate issued in response to a CSR.

Before you begin

Make sure you understand the requirements for generating an internal certificate authority object as discussed in Internal certificate authority objects.

Follow these steps to upload an internal CA for outbound protection:

Procedure

Step 1 From the **Internal CA** list, click **Create New** > **Upload CA**.

Step 2 Give the internal CA a **Name**.

Step 3 Paste or browse to locate the certificate and its private key in the provided fields.

Step 4 If the CA has a password, select the **Encrypted** check box and enter the password in the adjacent field.

Step 5 Continue creating the policy as discussed in Create a decryption policy with outbound connection protection, on page 2.

Upload an internal certificate for inbound protection

This task helps you manage certificate objects and configure decryption for secure access control by uploading an internal certificate for inbound protection.

This task discusses how to upload an internal certificate when you create a decryption rule that protects inbound connections. You can also upload the internal certificate using **Objects** > **Object Management** as discussed in Import a CA certificate and private key.

Before you begin

Make sure you have an internal certificate in one of the formats discussed in Internal certificate authority objects.

Follow these steps to upload an internal certificate for inbound protection:

Procedure

Step 1 Log in to Secure Firewall Management Center if you haven't already done so.

Step 2 Click **Policies** > **Access Control heading** > **Decryption**.

Step 3 Click **Create Decryption Policy**.

Step 4 Enter a name for the policy in the **Name** field and an optional description in the **Description** field.

Step 5 Click the **Inbound Connections** tab.

Step 6 From the **Internal Certificates** list, click **Add** (+).

Step 7 If an internal certificate object exists, click its name. Otherwise, click **Upload**.

a) Enter the required information.

See Add internal certificate objects.

Continue creating the decryption policy as discussed in Create a decryption policy with inbound connection protection, on page 4.

Create a decryption policy with other rule actions

Create and manage decryption policies in the Secure Firewall Management Center to control encrypted traffic actions, such as **Do Not Decrypt**, **Block**, **Block With Reset**, or **Monitor**.

To create a decryption rule with a **Do Not Decrypt**, **Block**, **Block With Reset**, or **Monitor** rule action, create a decryption policy and edit the policy to add the rule.

When you create a decryption policy , you can create multiple rules at the same time, including multiple **Decrypt - Known Key** rules, and multiple **Decrypt - Resign** rules.

Procedure

Step 1 Log in to Secure Firewall Management Center if you haven't already done so.

Step 2 Click **Policies** > **Access Control heading** > **Decryption**.

Step 3 Perform these actions:

a) Give the policy a unique **Name** and, optionally, a **Description**.

The following characters are not supported in decryption policy names:

- Leading period
- `#,;,{,},=,$,<,>`

b) Wait for the policy to be created.

Step 4 Click **Edit** ( ) next to the decryption policy name.

Step 5 Click **Add Rule**.

a) Give the rule a **Name**.

b) From the **Action** list, click a rule action and see one of the sections for more information:

- Decryption rule Do Not Decrypt action
- Decryption rule blocking actions
- Decryption rule monitor action

Step 6 Click **Save**.

What to do next

- Add rule conditions: Decryption Rule conditions
- Add a default policy action: Decryption policy default actions, on page 13
- Configure logging options for the default action as described in *Logging Connections with a Policy Default Action* in the *Cisco Secure Firewall Management Center Administration Guide* .
- Set advanced policy properties: Decryption policy advanced options, on page 16.
- Associate the decryption policy with an access control policy as described in Associate prefilter, decryption, and identity policies with an access control.
- Deploy configuration changes; see Deploy configuration changes.

Decryption policy default actions

The default action for a decryption policy determines how the system handles decryptable encrypted traffic that does not match any non-monitor rule in the policy. When you deploy a decryption policy without a decryption rules, the default action determines how all decryptable traffic on your network is handled. Note that the system does not perform any kind of inspection on encrypted traffic that the default action blocks.

To set the policy default action:

1. Log in to the Secure Firewall Management Center if you haven't already done so.
2. Click **Policies** > **Access Control heading** > **Decryption**.
3. Click **Edit** ( ) next to the name of the decryption policy.
4. In the Default Action row, click one of the actions from the list.

Table 1: Decryption policy Default Actions

Default Action	Effect on Encrypted Traffic
Block	Block the TLS/SSL session without further inspection.
Block with reset	Block the TLS/SSL session without further inspection and reset the TCP connection. Choose this option if traffic uses a connectionless protocol like UDP. In that case, the connectionless protocol tries to reestablish the connection until it is reset. This action also displays a connection reset error in the browser so the users are informed that the connection is blocked.
Do not decrypt	Inspect the encrypted traffic with access control.

Default handling options for undecryptable traffic

This reference provides information about identifying and managing undecryptable TLS/SSL traffic types in decryption policies. It covers handling handshake errors, unsupported cipher suites, compressed sessions, and session caching issues, along with user-facing actions for blocking or allowing such encrypted connections.

Table 2: Undecryptable traffic types

Type	Description	Default Action	Available Action
Compressed Session	The TLS/SSL session applies a data compression method.	Inherit default action	Do not decrypt Block Block with reset Inherit default action

Type	Description	Default Action	Available Action
SSLv2 Session	The session is encrypted with SSL version 2. Note that traffic is decryptable if the ClientHello message is SSL 2.0, and the remainder of the transmitted traffic is SSL 3.0.	Inherit default action	Do not decrypt Block Block with reset Inherit default action
Unknown Cipher Suite	The system does not recognize the cipher suite.	Inherit default action	Do not decrypt Block Block with reset Inherit default action
Unsupported Cipher Suite	The system does not support decryption based on the detected cipher suite.	Inherit default action	Do not decrypt Block Block with reset Inherit default action
Session not cached	The TLS/SSL session has session reuse enabled, the client and server reestablished the session with the session identifier, and the system did not cache that session identifier.	Inherit default action	Do not decrypt Block Block with reset Inherit default action
Handshake Errors	An error occurred during TLS/SSL handshake negotiation.	Inherit default action	Do not decrypt Block Block with reset Inherit default action
Decryption Errors	An error occurred during traffic decryption.	Block	Block Block with Reset

When you first create a decryption policy, logging connections that are handled by the default action is disabled by default. Because the logging settings for the default action also apply to undecryptable traffic handling, logging connections handled by the undecryptable traffic actions is disabled by default.

Note that if your browser uses certificate pinning to verify a server certificate, you cannot decrypt this traffic by re-signing the server certificate. For more information, see Decryption Rules guidelines and limitations.

If a decryption policy is associated with an access control policy that uses TCP state bypass, matching traffic is acted on based on the policy's configured **Undecryptable Actions** for **Handshake Errors**.

For example, if a decryption policy's **Handshake Errors** is set to **Block**, traffic matching the rule is blocked and the connection event's action is reported as a handshake error.

For more information about TCP state bypass, see:

- Configure TCP state bypass

- Bypass TCP state checks for asymmetrical routing (TCP state bypass)

Related Topics

Set default handling for undecryptable traffic, on page 15

Set default handling for undecryptable traffic

Set undecryptable traffic actions to handle certain types of encrypted traffic the system cannot decrypt or inspect, ensuring proper network security enforcement for encrypted connections.

You can set undecryptable traffic actions at the decryption policy level to handle certain types of encrypted traffic the system cannot decrypt or inspect. When you deploy adecryption policy that contains no decryption rules, the undecryptable traffic actions determine how all undecryptable encrypted traffic on your network is handled.

Depending on the type of undecryptable traffic, you can choose to:

- Block the connection.
- Block the connection, then reset it. This option is preferrable for connectionless protocols like UDP, which keep trying to connect until the connection is blocked.
- Inspect the encrypted traffic with access control.
- Inherit the default action from the decryption policy.

Procedure

Step 1 Log in to Secure Firewall Management Center if you haven't already done so.

Step 2 Click **Policies** > **Access Control heading** > **Decryption**.

Step 3 Click **Edit** (✎) next to the name of the decryption policy.

Step 4 In the decryption policy editor, click **Undecryptable Actions**.

Step 5 For each field, choose either the decryption policy's default action or another action you want to take on the type of undecryptable traffic. See Default handling options for undecryptable traffic, on page 13 and Decryption policy default actions, on page 13 for more information.

Step 6 Click **Save** to save the policy.

What to do next

- Configure default logging for connections handled by the undecryptable traffic actions; see *Logging Connections with a Policy Default Action* in the *Cisco Secure Firewall Management Center Administration Guide*.
- Deploy configuration changes; see Deploy configuration changes.

Decryption policy advanced options

A decryption policy 's **Advanced Settings** page contains global settings. These settings apply to all managed devices that are configured for Snort 3.

A decryption policy advanced settings are all ignored on any managed device that runs:

- A version earlier than 7.1
- Snort 2

Block flows requesting ESNI

Encrypted Server Name Indication (ESNI (link to draft proposal)) is a way for a client to tell a TLS 1.3 server what the client is requesting. Because the SNI is encrypted, the system cannot identify the server. You can choose to block these connections.

Disable HTTP/3 advertisement

This option strips HTTP/3 (RFC 9114) from the ClientHello in TCP connections. HTTP/3 is part of the QUIC transport protocol, not the TCP transport protocol. Blocking clients from advertising HTTP/3 provides protection against attacks and evasion attempts potentially burried within QUIC connections.

Propagate untrusted server certificates to clients

This setting applies only to traffic matching a **Decrypt - Resign** rule action.

Enable this option when the server certificate is untrusted. The managed device substitutes its certificate authority (CA) for the server certificate. An *untrusted* server certificate is one that is not listed as a trusted CA in the Secure Firewall Management Center. (**Objects** > **Object Management** > **PKI** > **Trusted CAs**).

Enable TLS 1.3 decryption

Whether to apply decryption rules to TLS 1.3 connections. If you do not enable this option, the decryption rules apply to TLS 1.2 or lower traffic only. See TLS 1.3 decryption best practices, on page 17.

Enable adaptive TLS server identity probe

Automatically enabled when TLS 1.3 decryption is enabled. A *probe* is a partial TLS connection with the server, the purpose of which is to obtain the server certificate and cache it. (If the certificate is already cached, the probe is never established.)

If TLS 1.3 Server Identity Discovery is disabled on the access control policy with which the decryption policy is associated, we attempt to use the Server Name Indication (SNI), which is not as reliable.

The adaptive TLS server identity PROBE occurs on any of these conditions as opposed to on every connection as in earlier releases:

- Certificate Issuer—Matched when the value of **Issuer DNs** in a decryption rule's DN rule condition is matched.

  For more information, see Conditions for distinguished name rules in decryption policies.

- Certificate Status—Matched when any of the **Cert Status** conditions are matched in a decryption rule.

For more information, see Certificate Status Decryption rule conditions.

- Internal/External Certificate—Internal certificates can be matched by the certificate used in **Decrypt - Known Key** rule actions; external certificates can be matched in **Certificates** rule conditions.

  For more information, see Known key decryption for incoming traffic and Certificate rule conditions.

- Application ID—Can be matched by **Applications** rule conditions in either an access control policy or a decryption policy.

  For more information, see Application rule conditions.

- URL Category—Can be matched by **URLs** rule conditions in an access control policy.

  For more information, see Recommendation: use URL conditions for website access control.

Note **Enable adaptive TLS server discovery mode** is not supported on any Secure Firewall Threat Defense Virtual deployed to AWS. If you have any such managed devices managed by the Secure Firewall Management Center, the connection event **PROBE_FLOW_DROP_BYPASS_PROXY** increments every time the device attempts to extract the server certificate.

TLS 1.3 decryption best practices

Both the decryption policy and the access control policy have advanced options that affect how traffic is handled, whether the traffic is being decrypted or not.

The advanced options are:

- Decryption policy:
  - TLS 1.3 decryption
  - TLS adaptive server identity probe
- Access control policy: TLS 1.3 Server Identity Discovery

  The access control policy setting takes precedence over the decryption policy setting.

Use the following table to decide which option to enable:

TLS adaptive server identity probe setting (decryption policy)	TLS 1.3 Server Identity Discovery setting (access control policy)	Result	Recommended when
Enabled	Disabled	Adaptive probe sent if decryption policy contains *any* rule conditions specified in Decryption policy advanced options, on page 16 *and* if the server certificate is not cached.	• You're not using application or URL conditions in access control rules • You're decrypting traffic

TLS adaptive server identity probe setting (decryption policy)	TLS 1.3 Server Identity Discovery setting (access control policy)	Result	Recommended when
Enabled	Enabled	Probe is always sent if the server certificate is not cached.	Use only if your access control rules have URL or application conditions
Disabled	Enabled	Probe is always sent if the server certificate is not cached.	Not recommended.
Disabled	Disabled	Probe is never sent.	Very limited usefulness; use only if not decrypting traffic and not using application or URL conditions in the access control rule

Note A cached TLS server's certificate is available to all Snort instances on a particular Firewall Threat Defense. The cache can be cleared with a CLI command and is automatically cleared when the device is rebooted.

For more information, see the discussion of TLS server identity discovery on secure.cisco.com.