CHAPTER 6

POLICY LAYERS

YOU DESERVE THE BEST SECURITY

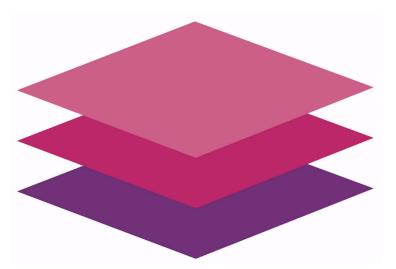
Learning Objectives

- Demonstrate understanding of the Check Point policy layer concept.
- Explain how policy layers affect traffic inspection.



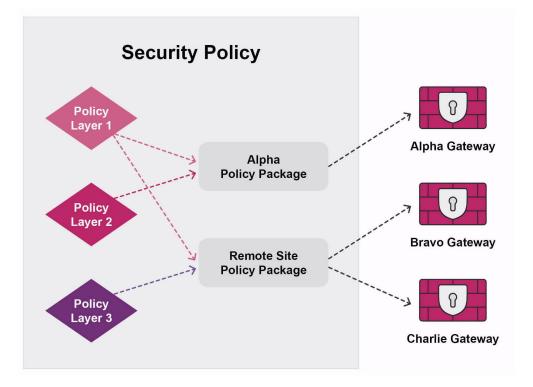
Policy Layer Concept

- Set of rules or rulebase in a policy.
- Lets you separate Security Policy into smaller, more manageable components.
- A layer can contain the following Blades:
 - Firewall (Network Access Control)
 - Application & URL Filtering
 - Content Awareness
 - Mobile Access



Benefits of Policy Layers

- Helps you visually organize the rulebase.
- Simplifies Policy management by allowing delegation of ownership of different layers.
- Improves performance by reducing the number of rules in a layer.

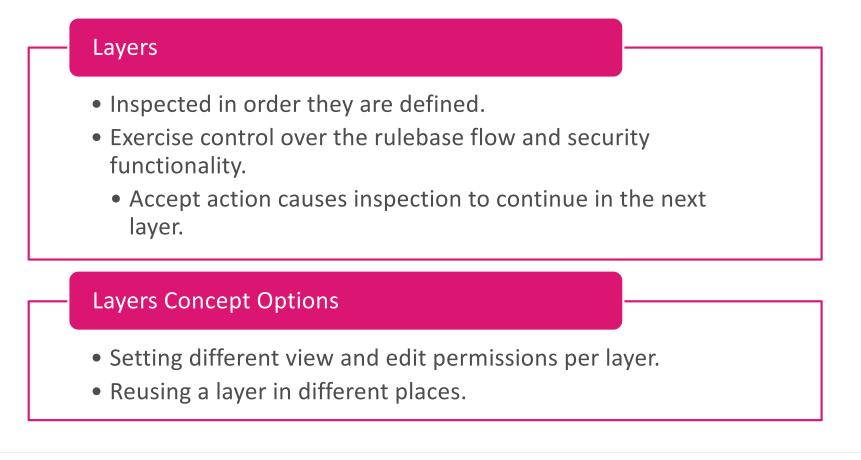


Ordered and Inline Layers

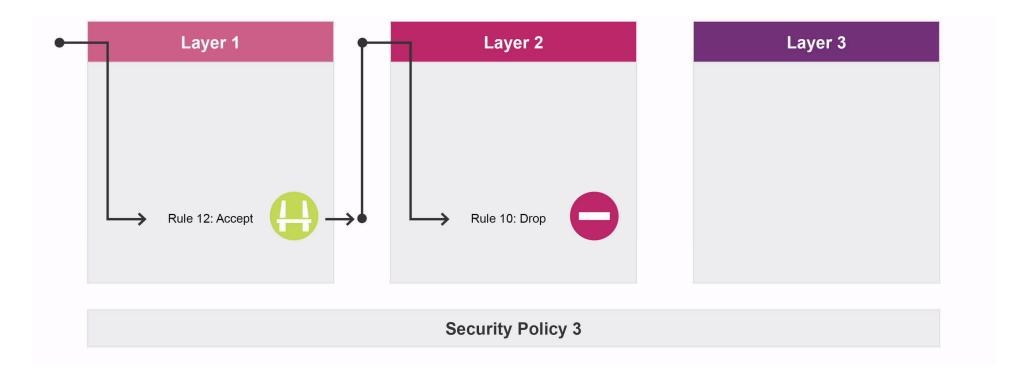
- Ordered layer:
 - Flat rulebase.
 - Each layer is processed sequentially for a match.
 - If an accept match is found, it is processed by the next layer until a final decision is made.
 - Can contain inline layers.

- Inline layer:
 - Sub-policy that is independent of rest of rulebase.
 - Attached to specific rules.
 - If rule is matched, inspection continues in attached sub-policy.
 - If rule is not matched, the subpolicy is bypassed.

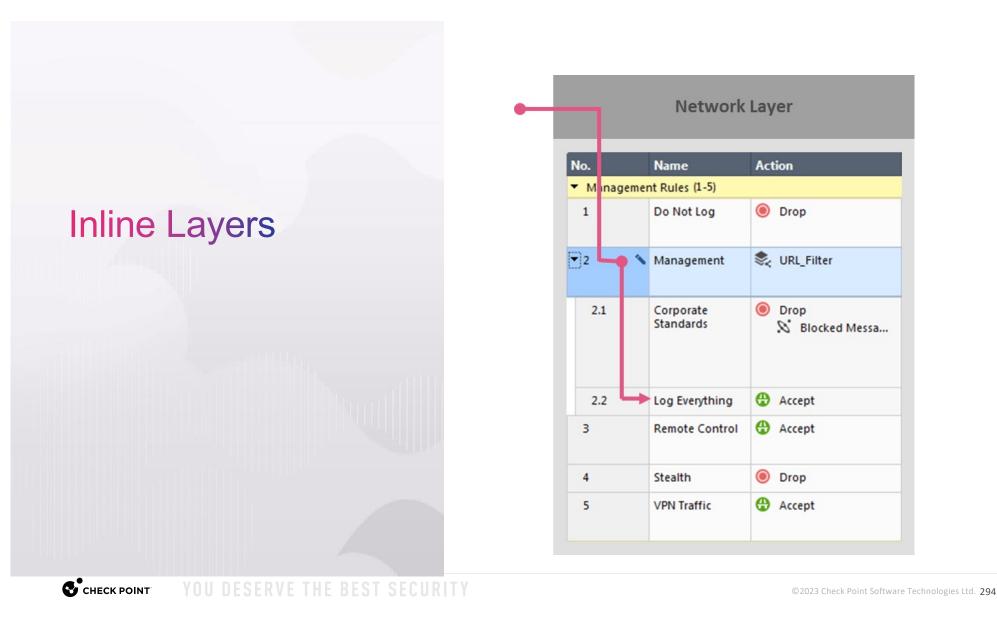
Inspection of Policy Layers



Ordered Layers





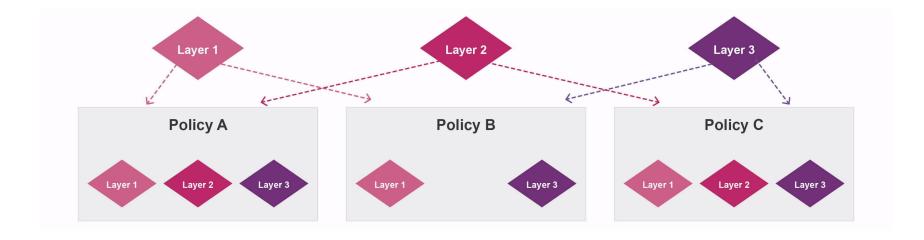


Policy Layer Management

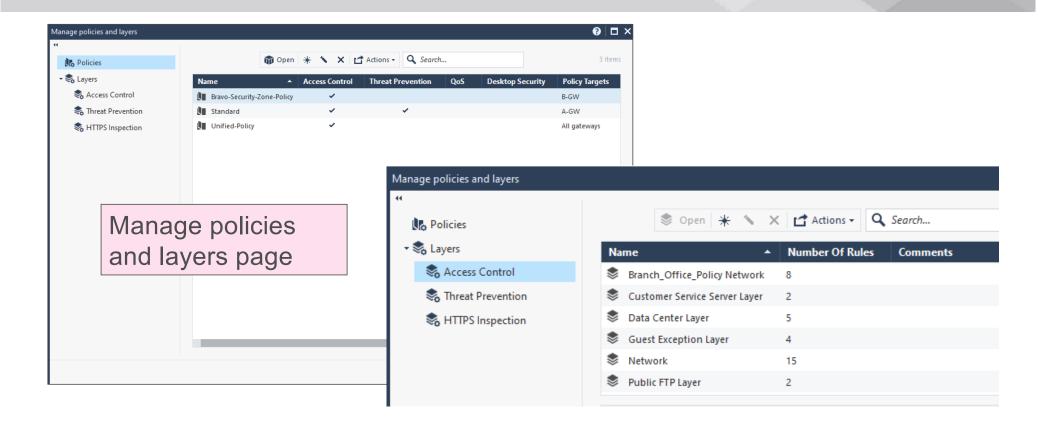
- Important factors to consider when creating policy layers:
 - Determine the number of layers.
 - Determine the Software Blades to enable in each layer.
 - Determine the order of rules in each layer.
 - Determine the order of layers in a policy.

Policy Layer Management (Continued)

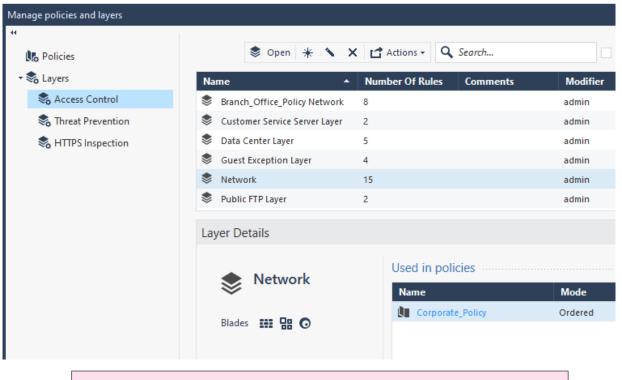
- A policy can have one or more layers as its building blocks.
- You can move layers up/down the policy list based on security needs.
- You can also share layers in multiple policies.



Managing Policy Layers with SmartConsole



Managing Policy Layers with SmartConsole (Continued)



Select a layer to view its details

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Creating a New Policy Layer

From the Application menu:

- Select Manage policies and layers.
- 2. Click the **New** icon.
- 3. Configure policy details.

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	+	-	
	Custom Threat Prevention	-	=
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	ATTPS Inspection	Default Layer	■C Shared =

Adding an Inline Policy Layer

- Select parent rule.
- Under Action column of parent, select Inline Layer.
- Select or create new layer to be added.

Note: It is possible for a layer to function as an ordered layer in one policy package and as an inline layer in another policy package.

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Modifying an Existing Policy Layer

From the Manage policies and layers window:

- 1. Select Access Control.
- 2. Open the layer and edit settings.



When possible, it is a best practice to share policy layers with other policy packages. To enable this, check the **Multiple policies and rules can use this layer** checkbox.

Layer Editor							
	stomer Service Server Layer						
44 General Advanced	Blades						
Permissions	 Applications & URL Filtering Content Awareness Mobile Access Preview: 						
	Destination VPN Services & Ap	plications Action					
	Sharing Multiple policies and rules can use th	is layer					

Exporting Layer Rules

To export to a CSV file:

- Select Menu → Manage policies and layers.
- Select a layer and then select
 Actions → Export.
- 3. Type a path and file name.

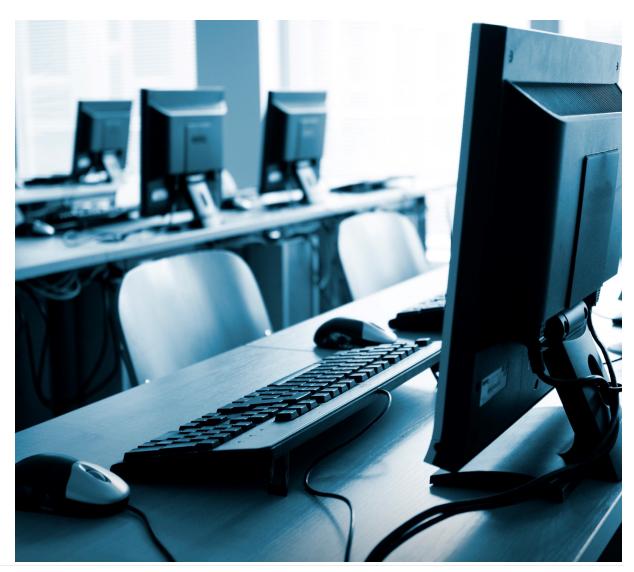


Review Questions

- 1. What is the purpose of Policy layers?
- 2. What type of Policy layer is independent of the rest of the rulebase?

Lab 6A

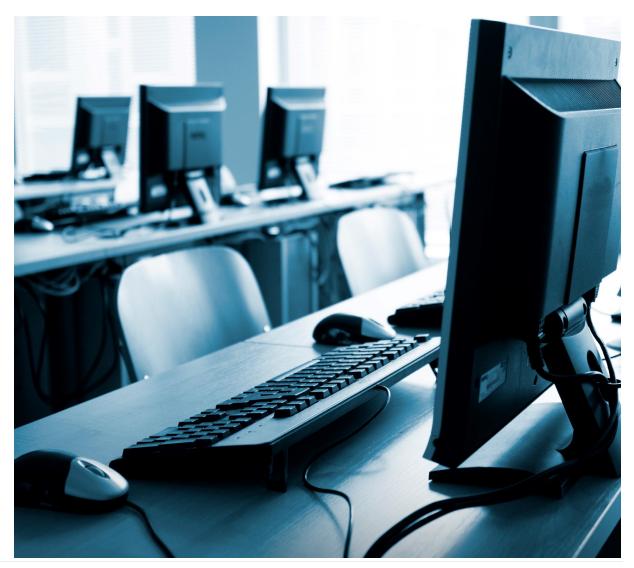
Configuring Ordered Layers



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Lab 6B

Configuring a Shared Inline Layer



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