SKYBOX® SECURITY

SKYBOX CHANGE MANAGER
Automated Rule Life Cycle Management

Enterprises have to deal with a constant stream of firewall change requests. Despite the pressure that may be felt by the volume of those requests, or any implementation errors, it's important that availability, security and compliance are not compromised. Skybox® Change Manager fully automates firewall change management workflows, including rule creation, recertification and deprovisioning. And its analytics–driven automation ensures each change is properly handled from request to implementation and verification.

Change Manager delivers automated modeling capabilities to assess potential business impacts, and closed-loop rule life cycle management to verify that every change is executed as intended. With customized, automated workflows, IT security teams can improve change management efficiency by up to 80 percent.*

With Skybox Change Manager, you can:

- Fully automate firewall change management workflows, improving communication and efficiency across security teams

- Validate proposed firewall changes by checking for access and rule policy violations, as well as new vulnerabilities

- Use formalized tickets and closed-loop workflows to ensure changes match the original intent

- Customize and simplify processes to reduce change management time by 80 percent*

- Establish end-to-end rule life cycle management for secure infrastructure and optimized firewalls

*ROI provided by customer deployment analysis. Cost savings based on first year of a 150-firewall deployment compared to manual change management costs.

BENEFITS OF
CHANGE MANAGER

- Fully automate firewall change workflows

- Ensure accurate change planning and implementation within the context of the network

- Simplify and formalize rule recertification

- Calculate change risk to inform decisions on when next to review rule

- Assess risk and compliance issues of proposed changes

- Ensure change compliance

- Take advantage of closed-loop change management capabilities to ensure all changes are implemented as intended

CHANGE MANAGEMENT WORKFLOWS

Skybox Change Manager fully automates firewall change management workflows to ensure continuous network security, availability and compliance.

Change Manager uses Skybox's unique modeling capabilities and analytics–driven automation to assess change impact prior to implementation. This proactive, intelligent approach ensures changes do not introduce new risk, violate policy or miss the original intent — all of which would require rollbacks that cost time and resources.

Our customizable workflows give you the power to standardize change processes throughout your organization while meeting the needs of specific teams and requests.

Creation Workflow

- Formalize change request using Skybox, a third-party ticketing system or hybrid of the two
- Identify relevant firewalls and check for existing access
- Identify potential vulnerability exposures and compliance risks
- Formalize rule and object changes with the option to push select changes live
- Confirm the change has been correctly implemented
- Receive a full audit trail of every step of the change

FIG 1: A list of a user's requested tickets logged in Skybox Change Manager

Recertification Workflow

- Rule or object usage is assessed to determine necessity

- Meta data is used to define rule owner, next certification date, etc.

- Rules and objects are checked on an ongoing basis for usage and policy violations, which trigger the generation of an early recertification ticket

- Recertification ticket is automatically generated for rules and objects that violate policy or are unused for a period of time

- The rule owner or network admin decides to recertify or reject the rule

- Recertified rules go back in the recertification workflow

- Rejected rules move to the deprovision workflow

Deprovision Workflow

- Generate a deprovision ticket for any rules rejected in the recertification process

- Convert a rejected rule into specific request for rule or object modification or deletion

- Formalize rule and object changes with option to push select deletions or modifications

- Confirm the change has been correctly deleted or modified

- Receive a full audit trail of every step of the deprovision process

CASE STUDY: CHANGE MANAGER

Customer

- 5,000 employees

- 2 main offices,
  50 satellite offices

- Over 130 public-facing ISPs

Read the case study >

Challenges

- Time-consuming manual firewall management processes

- Decentralized change management

- Lack of network and endpoint visibility

- Maintaining continuous compliance

Results

- Narrowed risk assessment window from days to minutes

- Reduced manual change management processes by more than 60%

- Achieved total network visibility across all endpoints

- Ensured continuous compliance with internal and regulatory requirements

ADDITIONAL FEATURES

Workflow Statistics

Statistics can be displayed for each workload, including:

- How many tickets with change requests were opened during a selected period (firewalls for those change requests)
- Breakdown of change requests per type, and the total number of change requests for the workflow

Rules with Multiple Owners

The recertification workflow can also be used for rules with multiple owners. Certain owners can be designated as "approvers."

Automated Implementation

Change Manager provides the option of automatically implementing some change request tasks for the following firewalls:

- Check Point CPMI and Security Management
- Cisco ASA, Firepower and Security Manager
- Fortinet Fortimanager
- Juniper SRX
- Palo Alto Networks Panorama

For information about supported versions and specific implementation tasks, please contact Skybox.

ABOUT SKYBOX SECURITY

At Skybox Security, we provide you with cybersecurity management solutions to help your organization innovate rapidly and with confidence. We get to the root of cybersecurity issues, giving you better visibility, context and automation across a variety of use cases. By integrating data, delivering new insights and unifying processes, you're able to control security without restricting operational agility. Skybox's comprehensive solution unites different security perspectives into the big picture, minimizes risk and empowers security programs to move to the next level. With obstacles and complexities removed, you can stay informed, work smarter and drive your organization forward, faster.