

USE CASE



Orchestral.ai
AI-Driven Orchestration

Security Compliance & Firewall Orchestration

IT Security Orchestration

Situation: Manual Compliance & Firewall Orchestration

- Without automated security policy compliance management in place all security policy change requests require manual human intervention.
- A user request to update a security policy creates a ServiceNow (or similar ITSM) ticket, specifying the target security policy and the changes to be made.
- A member of the SecOps team manually reviews and takes action on the requested changes. This involves checking the policy changes to ensure they have been defined correctly and are not in conflict with other policies.
- The ITSM ticket is then updated and closed. Although this process is well-understood, it is inefficient and prone to human error that can result in disruption or downtime.

Composer Benefits

- **Automates Policy Management** Enables SecOps teams to automate management of the entire security policy life-cycle with dramatic reduction in change request response time.
- **Ensures Change Request Compliance** Minimizes manual intervention to ensure change request compliance while providing a clear audit trail for timely remediation when required.
- **Reduces Risk of Disruption/Downtime** SecOps teams reduce the risk of downtime or disruption due to conflicting or non-compliant changes.

Manual Compliance & Firewall Orchestration

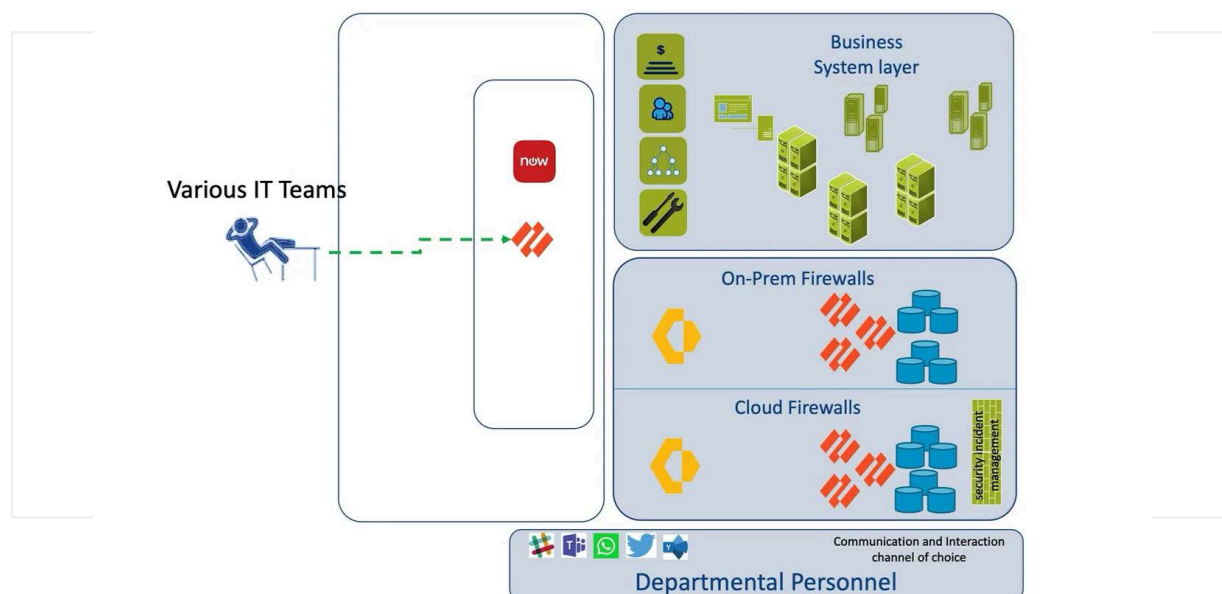


FIGURE 1: Manual Security Policy Compliance Management

Orchestral.ai's Composer Solution

Composer provides out-of-the-box integration with hundreds of tools, apps, devices and services used in SecOps environments. With the addition of Composer's event-driven architecture, security policy change requests can be validated automatically. Composer then orchestrates a cascade of changes across the security infrastructure to ensure end-to-end configuration accuracy and policy compliance. Composer can also perform firewall CRUD operations and integrate with security policy management tools, enabling SecOps teams to easily create complex cross-domain workflows that reduce both the risk of disruption and the response time for change requests.

Automated Security Compliance & Firewall Orchestration

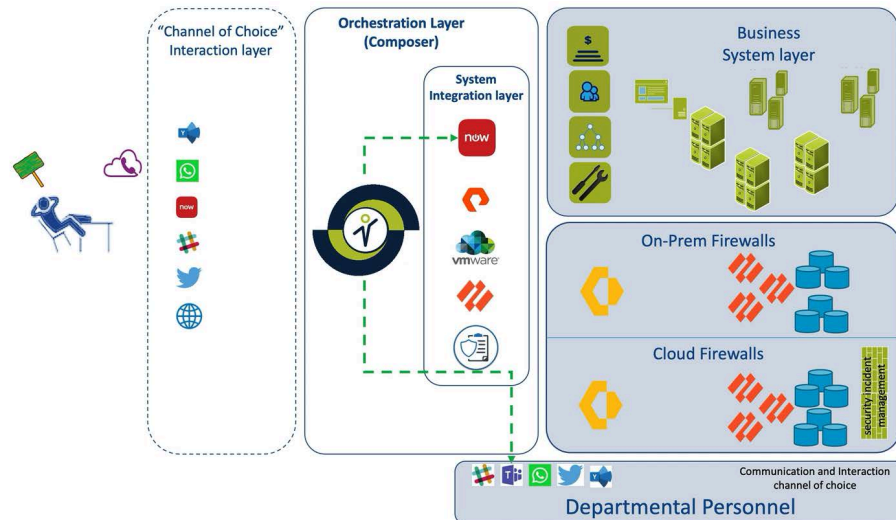


FIGURE 2: Automated Security Compliance Management with Orchestral Composer

Composer Security Automation & Orchestration

1. With the addition of Composer's event-driven architecture, security policy change requests can be validated and implemented automatically.
2. For example, an operator can initiate a change request with Composer directly or they can do so with an ITSM ticket that triggers a Composer workflow.
3. And, once validated, Composer orchestrates a cascade of changes across the security infrastructure to ensure the end-to-end configuration is accurate and policy compliant.
4. Next, Composer will ensure that the validated and implemented changes are synchronized with the appropriate security policy management tool.
5. Composer will then reconcile the ITSM ticket corresponding to the change request and notify the SecOps team so they are aware that the change request has been successfully implemented.
6. With Composer, SecOps teams can automate management of the security policy change life-cycle, with a dramatic reduction in the response time for change requests while minimizing the risk of disruption due to conflicting or non-compliant changes.



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Orchestral.ai is a team of like-minded technology professionals possessing a combined experience of over 100 years in the IT industry.

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Contact Us

For more information, please contact our Client Development Team at info@orchestral.ai