

Application-Centric Security Automation for the Data Center with AlgoSec and Cisco

CHANGE MANAGEMENT

A DAY IN THE LIFE ...

The company has a multi-cloud network – multiple firewalls from Cisco and other vendors spread across a physical data center, Cisco ACI, and Amazon Web Services. Each platform is protected by its own security control.

MEET SUSAN
Finance Director



MEET DAVE
The IT Director



Responsible for implementing the company's network security policies.

9:03 AM

Susan submits a change request to allow connectivity to the new payroll application.

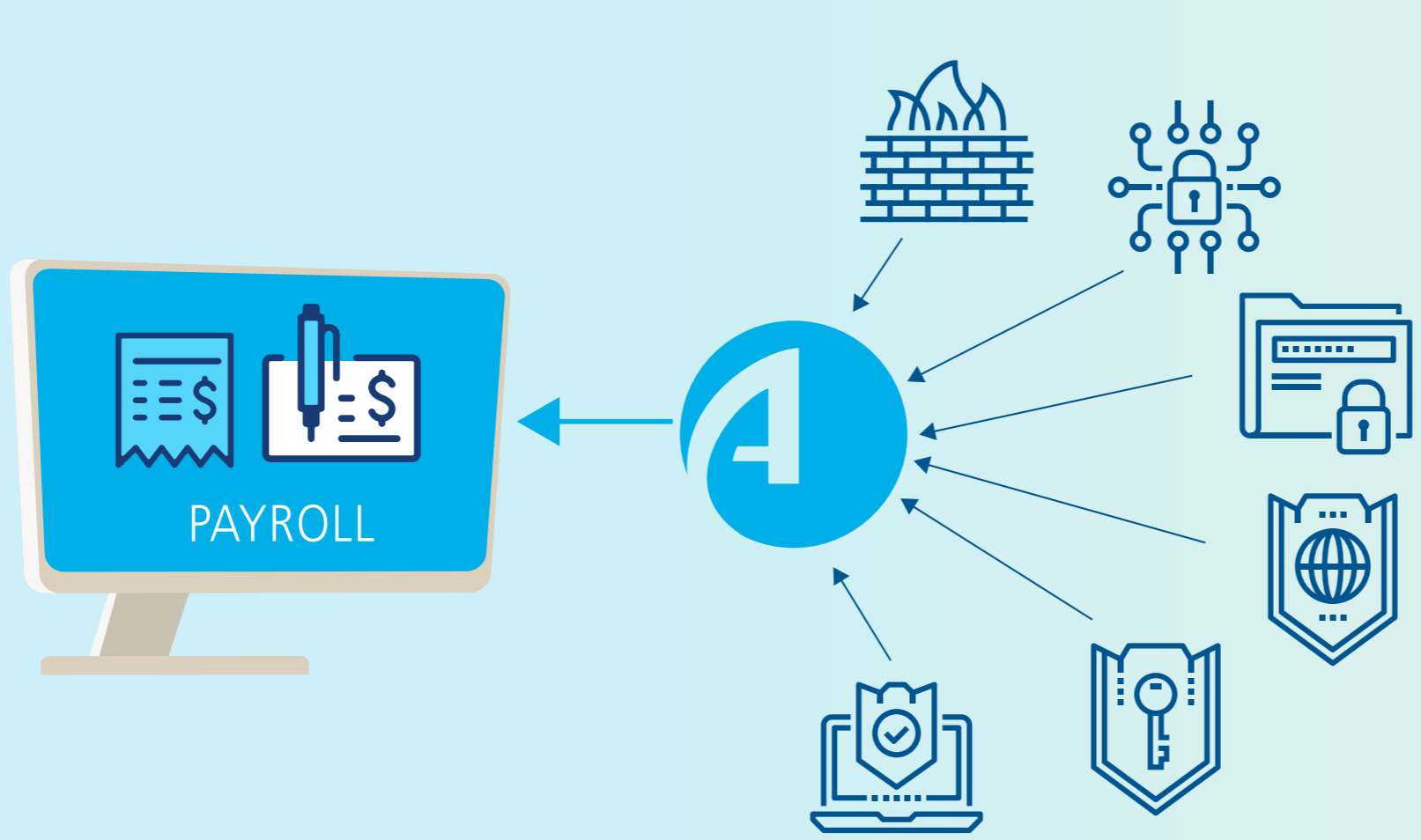


"Wow, I didn't realize that this device also requires a change."



9:11 AM

Dave sees Susan's change request. Dave can see if any security policies block access to the new payroll application as well as already-working security devices that don't require changes.



AlgoSec provides the ability to map which devices are in path across the network environment. The new payroll application is blocked by several firewalls and contracts in the Cisco ACI fabric. Other firewalls across the rest of the company's infrastructure are also blocked.



Approved!

9:32 AM

Dave accepts the initial plan



9:35 AM

AlgoSec automatically initiates a Risk Check against Dave's accepted plan. High-level risk requires management approval. The request is routed to Dave's manager.

11:31 AM

Dave's manager has reviewed AlgoSec's risk assessment and determined that the risk is acceptable and approves the changes. AlgoSec automatically created recommended configuration changes.

"Wow, we better not allow access down this path otherwise we'll grant access to this critical financial data."



11:47 AM

After a brief review, Dave agrees with the recommendations. Dave automatically pushes the configuration change to the ACI fabric, firewalls in the fabric, and perimeter firewalls using AlgoSec's ActiveChange.



"Wow, that was simple! In the past, this would have taken weeks to implement the policies manually on each device."



03:03 PM

After the modification window, Dave sees that AlgoSec has validated the change. The payroll application now works.



Did you know ?
AlgoSec automates the security policy request process from start-to-finish, with a Zero-Touch workflow, offering visibility and automation for items both within and outside of the Cisco ACI fabric.

3:12 PM

Susan is notified that the change request was completed. She is pleasantly surprised that the change takes a few weeks, not hours. Susan and employees can now access the payroll system.