

Configuration Module

When your networks are configured in strict accordance with your standards from the start, your risk profile is lower and your 3rd party vendor onboarding is streamlined

Requirements to run Configuration

- Access to the Stella Portal for the property
- Physical Stella Relay on the LAN using a POE port, or physical/virtual Stella Satellite on the LAN
- List of equipment
- Read-write credentials for devices to be configured
- Open outbound internet access via firewall on TCP/443 to Stella VPN
- Unrestricted access to VLANs
- Brand standard & 3rd party vendor requirements
- Port mapping document
- Brand standard including implementation for the target network

Outputs

- Pass/fail report confirming the configuration being applied
- Up-to-date configuration documentation
- Audit log and change-set included in change control
- Notifications (email/Slack/SMS/Teams)

Stella Configuration can be used to correctly configure and accurately document a network within 2 hours after requirements have been actioned.

Human engineer vs Stella



Network engineer



Non-technical person
working with Stella

20 device network	5.5 hours	1 hour
50 device network	1.8 days*	2.2 hours
100 device network	3.5 days*	4.5 hours
Documentation updated		
Accuracy		100%

An average network with 12-edge switches, core switch, firewall and wireless controller

* Days are based on 7.5hr working day

Stella security & hardware

Stella keeps you secure

Security is a principal concern at Stella, so we take a multi-layered approach to security for all Stella systems including the Stella Relay and Stella Satellite:

- The Stella Relay is a single-purpose device**
 The Stella Relay is built specifically as simple jumping points for securely accessing your network with no additional functionality. Each Relay is provisioned with unique credentials and can only be used with the target network.
- The Stella Satellite can leverage your VM infrastructure**
 The Stella Satellite is also a secure jumping point but can be virtualised and has the ability to monitor your network. If you don't have virtual server infrastructure, then the Stella Satellite hardware can host a Stella Satellite and other services such as RADIUS or PMS Interfacing.
- Stella doesn't keep your data**
 All Stella devices, physical or virtual, use encryption in flight and at rest, and temporary storage to ensure your data is secure. Stella Relays purge details such as the configuration of your network, compliance tests, and logs after each round of testing, ready for the next run. Stella Satellites retain data for monitoring but purge all data when powered down.
- All access to the Stella Relay and Stella Satellite is over encrypted links**
 Each Stella Relay and Stella Satellite call home to a secure network via encrypted VPN links and wait for instructions.

- All Stella Relays and Stella Satellites are isolated**
 Stella Relay and Stella Satellites can only access the Stella VPN servers and are not accessible outside of the VPN link. Communication between Stella devices is blocked.
- Humans need not apply**
 The Stella Relay and Stella Satellite can only be accessed by our automation platform.

Built on the shoulders of giants

Like almost every software product, Stella is built on best-of-breed technologies that includes large and mature open-source software projects such as Linux, SSH, Python, Ansible, and OpenVPN.

Supply-chain security is monitored

We automatically monitor the projects and libraries incorporated into Stella to ensure that all security updates are implemented as soon as possible.

Which means, with Stella your attack surface is minimal and resides in AWS best practice security protocols.

Secure by design

Stella does not hold personal or financial information. All services have a minimal attack surface protected by AWS managed services and configured to AWS best practices.

Hardware environment

Each module of Stella required an on-network presence to operate effectively and report back to Stella.

Determining factors in selecting the Stella Relay or Stella Satellite is the size of the network and the tolerances of the device performance metrics.

Hardware	Deployment	Discovery module	Compliance module	Configuration module	Stella Central (inc. Monitoring)	Can host VMs?
Stella Relay	Dedicated Hardware	✓	✓	✓	✗	✗
Stella Satellite	Virtual Stella Satellite	✓	✓	✓	✓	✓
Existing VM infrastructure	Virtual Stella Satellite	✓	✓	✓	✓	N/A