

Switch and Wi-Fi management (SD-LAN)

Every switch port known — and changed the same way everywhere

Your switches, access points and controllers in one place: every port, what is plugged in where, PoE draw, and port profiles applied with each vendor's own commands.



TotalHeal
CampusGrid

Contents

1	Executive summary	6	Security and data handling
2	The challenge	7	Where it fits
3	Architecture	8	Deployment and system requirements
4	How it works	9	Technical specifications
5	Capabilities in detail	10	Getting started

1 Executive summary

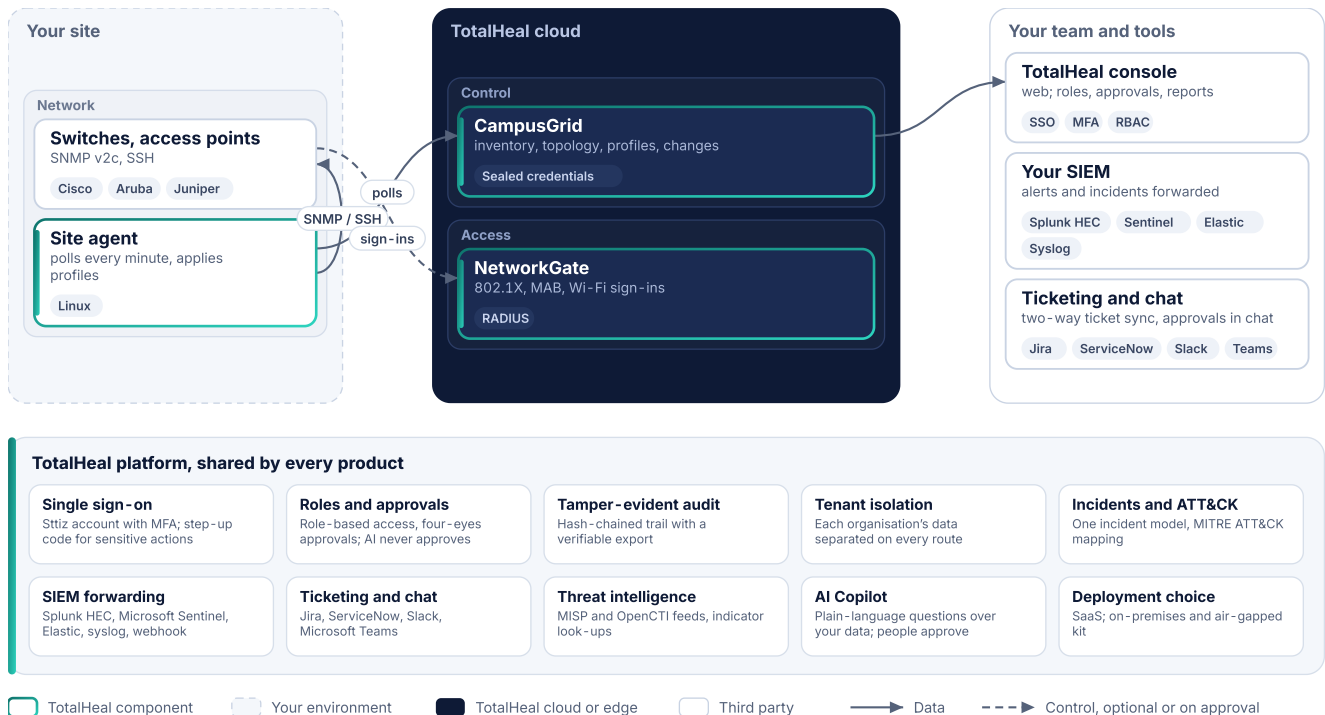
CampusGrid reads every switch, access point and controller over SNMP and applies port profiles over SSH in each vendor's own commands, shown before they are sent and kept after.

2 The challenge

Switches are configured port by port over SSH, by whoever has the password; nobody knows which port the conference-room phone is on, how much PoE is left, or which firmware each switch runs, and a typo on one port is found weeks later.

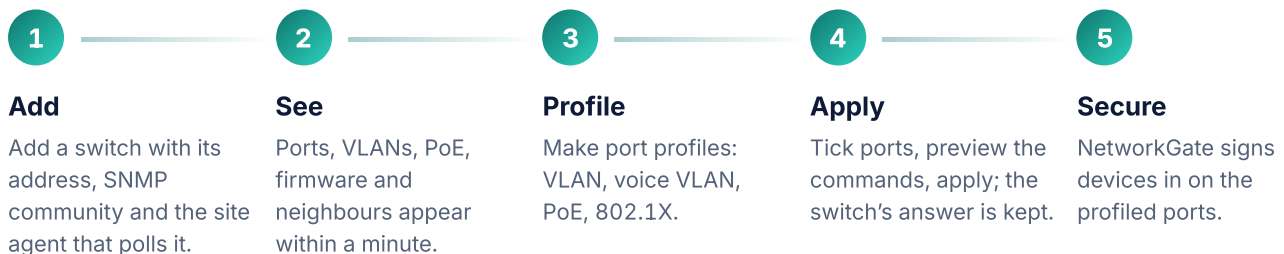
The TotalHeal approach. CampusGrid reads every switch, access point and controller over SNMP from a TotalHeal agent at the site, and applies port profiles over SSH as the commands an engineer would type for that vendor — shown before they are sent, with the switch's answer kept.

3 Architecture



A TotalHeal agent at the site reads the switches over SNMP and applies profiles over SSH; the console shows ports, topology and changes.

4 How it works



5 Capabilities in detail

- Every port**
 Model, firmware, uptime, and for each port its state, speed, VLAN, errors and PoE, read every minute over SNMP v2c.
- Port profiles**
 Access VLAN, voice VLAN for phones, PoE on or off, 802.1X with MAB through NetworkGate, a description, shut down — applied to ticked ports as Cisco IOS / IOS-XE, Aruba AOS-CX or Juniper Junos commands.
- What is plugged in where**
 The topology from LLDP: which switch and port each neighbour is on.
- Nothing hidden**
 The exact commands are shown before they are sent; the switch's answer is kept; a refused command fails the change; the switch's SSH key is pinned on first use.



Wi-Fi

On the Professional tier, clients per wireless network and per access point from NetworkGate sign-ins.



Four-eyes

On the Elite tier every switch change waits for a second administrator.

6 Security and data handling

You see the commands

Exactly what is typed on the switch is shown before it is sent.

Credentials sealed

Communities and passwords are sealed and never shown again.

The right switch

A switch's SSH key is pinned on first use; a different key is refused.

Refusals fail loudly

A command the switch refuses fails the change with its answer.

7 Where it fits

Phones on every floor

Give every desk port the data and voice VLANs in one change.

PoE budget

See which switches are near their PoE limit before adding cameras.

Where is it plugged in

Find the port behind a device from the LLDP topology.

8 Deployment and system requirements



Cloud (SaaS)

Available

Inventory and changes in the TotalHeal cloud; the polling agent at your site.



On-premises

Available

Delivered with our team from the on-premises kit.



Air-gapped

Available

Offline kit, offline licence file and offline update bundles.

Protected platforms

Switches and controllers



Any device with SNMP v2c; profiles for Cisco IOS / IOS-XE, Aruba AOS-CX, Juniper Junos



Site agent
TotalHeal server agent on Linux

On-premises server

Operating system

RHEL, Rocky Linux or AlmaLinux 8 / 9; Ubuntu 20.04, 22.04 or 24.04; Debian 11 / 12

Processor

4 vCPU (tested configuration)

Memory

8 GB recommended (6 GB minimum)

Disk

10 GB free for software, releases and backups, plus data

Sign-in

Network and access

- SNMP v2c read access on the devices
- An SSH login on the switches for changes
- A TotalHeal server agent at the site

Alerts and tickets to

splunk> Splunk

Microsoft Sentinel

Elastic

Syslog / CEF

Jira

ServiceNow

Active Directory / LDAP, SAML 2.0
or OpenID Connect



Software

Nothing to pre-install: no
container runtime, database, web
server or Java



9 Technical specifications

Features	Included		
Every port	✓ Included		
What is plugged in where	✓ Included		
Port profiles	✓ Included		
Nothing hidden	✓ Included		
Wi-Fi	✓ Included		
Four-eyes	✓ Included		
Availability by tier	Essential	Professional	Elite
Switches, access points and controllers over SNMP: model, firmware, uptime, ports, VLANs, errors, PoE	✓ Included	✓ Included	✓ Included
Topology from LLDP neighbours	✓ Included	✓ Included	✓ Included
Port profiles applied over SSH (Cisco IOS / IOS-XE, Aruba AOS-CX, Juniper Junos) with a preview and the transcript; host keys pinned	✓ Included	✓ Included	✓ Included
Wi-Fi clients per network and access point from NetworkGate sign-ins	—	✓ Included	✓ Included
Every switch change approved by a second administrator	—	—	✓ Included
List price per network device per year	US\$60 · ₹5,710	US\$108 · ₹10,280	US\$156 · ₹14,840
Platforms and coverage			
Devices	Any switch, access point or controller with SNMP v2c; profiles for Cisco IOS / IOS-XE, Aruba AOS-CX, Juniper Junos		

Site agent	TotalHeal server agent on Linux with the campusgrid module
Console	TotalHeal web console: CampusGrid
Deployment options	
SaaS	Available Inventory and changes in the TotalHeal cloud; the polling agent at your site.
On-premises control plane	Available Delivered with our team from the on-premises kit.
Air-gapped	Available Offline kit, offline licence file and offline update bundles.
Licensing	
Priced per	network device per year
Counted	Switches, access points and controllers added to CampusGrid
Trial	30 days, up to 10 network devices
Editions	CampusGrid is sold on its own, per network device; FleetControl is included.
Government profile	Government is a profile, not a separate tier or price list: the Elite tier with Government defaults switched on — data residency in India, four-eyes approval of policy changes, a distinct approver for every approval-level action, retention of at least 180 days, and the CERT-In and DPDP reporting clocks.
Procurement dossier	Compliance matrix, bill of materials, architecture and hardening, SLA and OEM authorisation letter, on request
On-premises server	
Operating system	RHEL, Rocky Linux or AlmaLinux 8 / 9; Ubuntu 20.04, 22.04 or 24.04; Debian 11 / 12
Processor	4 vCPU (tested configuration)
Memory	8 GB recommended (6 GB minimum)
Disk	10 GB free for software, releases and backups, plus data
Sign-in	Active Directory / LDAP, SAML 2.0 or OpenID Connect
Software	Nothing to pre-install: no container runtime, database, web server or Java
Requirements	
Requirement 1	SNMP v2c read access on the devices
Requirement 2	An SSH login on the switches for changes
Requirement 3	A TotalHeal server agent at the site

10 Getting started

- SNMP v2c read access on the devices
- An SSH login on the switches for changes

- A TotalHeal server agent at the site

Start a 30 days, up to 10 network devices trial in the TotalHeal console with a Sttiz account. For a quote, an on-premises installation or the procurement dossier (compliance matrix, bill of materials, architecture and hardening, SLA, OEM authorisation letter), write to business@totalhealsecurity.com.

About TotalHeal

TotalHeal is a security platform from Freaquer Corporation Pvt Ltd: endpoint, network, application, cloud, security-operations and backup products, each sold on its own and run from one console.

Datasheet

totalhealsecurity.com/datasheet/campusgrid

Figures are from our own tests where stated, with their dates. Specifications can change; this whitepaper is dated 27 October 2026.