SMARTTILE · DEVICEAUTOMATE™ · HPE ARUBA NETWORKING CENTRAL

Aruba Central, watched from the same pane as the rest of the network

One OAuth2 app in Aruba Central's API Gateway lets SmartTile read every switch, access point and gateway Central manages — status every three minutes, clients, SSIDs, subscriptions and firmware compliance — and turn an Aruba device going offline into the same alert and ticket as any other outage.

SMARTTILE INTEGRATES WITH

HPE Aruba Networking Central (cloud) — its REST API gateway for your region (US-1, US-2, US-West, EU-1, Canada, APAC, or a custom gateway URL), through an API Gateway app: client ID + secret, customer ID (CID) and an OAuth2 access/refresh token pair.

HOW SMARTTILE AUTOMATES IT

SmartTile reads every switch, AP and gateway from Central every 3 minutes and keeps the rotating OAuth tokens fresh by itself. When a device mapped to a SmartTile device goes offline — or drops off Central's list — SmartTile marks it DOWN with state history and it alerts and tickets like any outage; firmware Central flags as out of date becomes a FirmwareAutomate advisory.

CATEGORY

Device
DeviceAutomate™

Aruba Central already knows which switch, access point and gateway is online. What it does not do is put that next to your circuits, firewalls and cameras, or open the ticket in the IT Service Management (ITSM) system your team works from. SmartTile reads Central through its own REST API — **reads only, apart from one firmware call that is off by default** — so an Aruba device that goes dark is handled exactly like any other outage.

What the Central connection turns on

The whole fleet, imported

Groups, sites (with address), the device inventory, and every **switch, AP and gateway**: serial, MAC, model, part number, firmware, IP and public IP, uptime, clients, CPU, memory, temperature, PoE draw, fan and power supply, stack role and config-sync state.

Status every 3 minutes

Online / offline per device from Central's monitoring lists — three calls a check, paced for Central's ~5,000 calls-a-day allowance. Adjustable 60–3,600 s under Admin → Uptime Analytics → API check frequency.

Missing counts as offline

A device that disappears from a list that otherwise came back fine for **3 two-minute periods** is marked offline. Central omitting a dead device never leaves it green. Adjustable 0–30 periods.

DOWN, history and the ticket

Map an Aruba device to a SmartTile device with ping off and Central owns its up/down: DOWN with **state history** (source Aruba API), then the normal alert and **auto-ticket after 14 min offline**. Ping-monitored devices stay with ping.

Clients, SSIDs, subscriptions

Connected wireless and wired clients (SSID, VLAN, RSSI, SNR, band, OS, the AP or switch they are on), SSIDs with client counts, and every subscription with quantity, used and end date.

Firmware compliance

Central's current vs recommended build per device on the Firmware tab. On mapped devices an upgrade-available build becomes a **FirmwareAutomate advisory**: ticket, window, verify. SmartTile pushes the upgrade only if you switch that on.

How it goes live — about fifteen minutes

1. **In Aruba Central:** account menu → **Global Settings** → **API Gateway** → **My Apps & Tokens** → add an app. Note the **Client ID** and **Client Secret**.
2. **Generate a token pair** for that app and copy the **Access Token** and **Refresh Token**. The **Customer ID (CID)** is in the account-home header.
3. **In SmartTile:** DeviceAutomate → **Aruba Central** → Settings → add credential. Pick the region (the gateway URL fills itself), paste the values, leave **auto-refresh** on. **Save & Discover.**
4. Press **Test**, then switch **background sync** on under Settings → Sync & Health — it is off until you do.
5. Under Devices → **SmartTile Mapping**, link each Aruba device to its SmartTile device and location.

FIELD	WHERE IT COMES FROM
Client ID / Secret	Central → API Gateway → My Apps & Tokens
Access + Refresh Token	Generated for that app in API Gateway
Customer ID (CID)	Central account-home page header
Region / gateway URL	Your Central cluster; custom URL for “Other”
Auto-refresh	On by default — SmartTile renews the pair before expiry

No agent, no SNMP, no inbound rule. SmartTile talks only to Aruba's cloud gateway.

Exactly what SmartTile asks Aruba Central

POST `/oauth2/token`
refresh the token pair (Central rotates the refresh token — both are re-saved encrypted)

GET `/configuration/v2/groups`
configuration groups

GET `/monitoring/v1/switches`
switch status and health

GET `/monitoring/v1/gateways`
gateway status (mobility controllers as fallback)

GET `/platform/licensing/v1/subscriptions`
subscriptions, seats, end dates

POST `/firmware/v1/upgrade`
only when “Execute upgrades” is on — off by default

GET `/central/v2/sites`
sites and addresses; also the Test call

GET `/platform/device_inventory/v1/devices`
inventory: serial, MAC, model, part number

GET `/monitoring/v2/aps`
AP status, radios, clients (v1 fallback)

GET `/monitoring/v2/networks · /v2/clients`
SSIDs, connected wireless + wired clients

GET `/firmware/v1/devices`
running vs recommended firmware

Security and control

Secrets never shown again

Client secret, access and refresh tokens are encrypted AES-256-GCM before they are stored. The API returns only “token stored / expires at” — never the value.

Polite to Central's limits

Seven requests a second per credential, backoff on 429 and 5xx, and the credential pauses itself after 50 failures in a row rather than hammering a dead account.

Your company only

Every request is scoped to your organization and company. A mapping to a device, location or company outside your account is refused. Changes need an admin.

Everything logged, instant off

Credentials added, tested, mapped, firmware scheduled, sync switched — each lands in the Aruba audit log. Background sync has an on/off switch and a server kill switch.

Common objections

OBJECTION	ANSWER
“Will SmartTile change our Aruba configuration?”	No. Every call is a read. The only write is the firmware upgrade request, and it stays off unless you turn on Execute upgrades.
“We already have Central's own alerts.”	Keep them. SmartTile adds the same outage alert, state history and ticket your other devices get, next to your circuits and firewalls.
“Our API allowance is tight.”	Status runs every 3 minutes at three calls a check by default; full discovery once a night.

One API Gateway app in Central — and every Aruba switch, AP and gateway reports down like the rest of your network.