

# IoT Provisioning

**Standard lifecycle management APIs**



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# Use Cases

- **Automation of transactions to support efficient operations**
  - Supports lower margin services (customer & carrier)
  - Supports lower cost of acquisition
  - Enables reusable operations
- **Several Distribution models**
  - B2B (All Verticals)
    - Manufacturing
    - Energy
    - SMB & Enterprise
    - Retail
  - B2B2C
    - Manufacturing
    -
  - Resell/Wholesale

## Use Cases

- Smartphones in Enterprise
- Connected Machines
- Fixed Wireless Access Routers
  - Branded
  - Non-Branded
- Connected Sensors
  - Activate while on manufacturing floor

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# IoT Provisioning APIs

Standard IoT APIs for traditional lifecycle management.

## Provisioning:



Activate- given a device identifier, and a SIM ID, automatically provision a UE for services (eUICC)



Suspend service: Remove network access for a limited amount of time & suspend billing



Resume services: Utilize same device identifiers and allow authentication & authorization, and restart billing



Deactivate: End Billing, access & authorization, cut final bill

# Device Activation/Provisioning APIs

|      |                                |                                       |   |
|------|--------------------------------|---------------------------------------|---|
| POST | /v1/devices/actions/add        | Add Devices                           | Use this API if you want to manage some device settings before you are ready to activate service for the devices.   |
| POST | /v1/devices/actions/activate   | Activate Service for Devices          | Request for activating a service on devices. If the devices do not already exist in the account, this API resource adds them before activation.   |
| POST | /v1/devices/actions/suspend    | Suspend Service for Devices           | Suspends service for one or more devices.   |
| POST | /v1/devices/actions/restore    | Restore Service for Suspended Devices | Restores service to one or more suspended devices.  |
| POST | /v1/devices/actions/deactivate | Deactivate Service for Devices        | Request to deactivate service for one or more devices. Deactivating service for a device may result in an early termination fee (ETF) being charged to the account, depending on the terms of the contract with Verizon. If your contract allows ETF waivers and if you want to use one for a particular deactivation, set the etfWaiver value to True. |
| POST | /v1/devices/actions/delete     | Delete Deactivated Devices            | Use this API to remove unneeded devices from an account.  |