

# SNAP Site Director

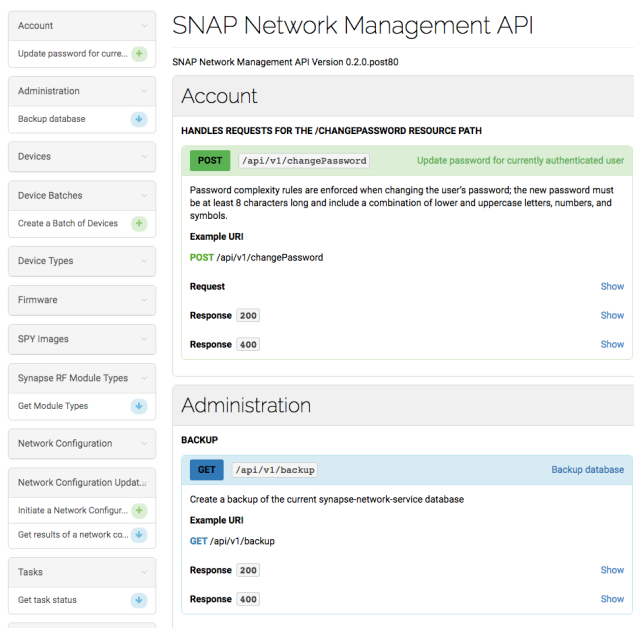
## Upgrade Multiple Scripts and Firmware, Over-the-Air

The SNAP Site Director gateway Thing Service provides out-of-the-box reliable and scalable SNAP device firmware and script management.

The Site Director is built on years of real-world experience and best practices to eliminate typical issues with upgrading software on remote IoT devices.

Site Director enables the user to flexibly upgrade both SNAP device firmware and application software over the air in large numbers. Users are provided multiple ways to select devices to upgrade such as via address search, custom device types, custom device names, among other grouping means. The Site Director requires NO gateway programming. Instead, a streamlined UI allows users to directly interact with SNAP devices, while a REST API allows custom or third party software updates.

SNAP Site Director, along with all SNAP Thing Services, is available on Synapse SNAP Connect E12 and E20 Gateways as well as through licensing on custom third party devices.



Account

Update password for current user

Administration

Backup database

Devices

Device Batches

Create a Batch of Devices

Device Types

Firmware

SPY Images

Synapse RF Module Types

Get Module Types

Network Configuration

Network Configuration Update...

Initiate a Network Configuration

Get results of a network configuration

Tasks

Get task status

### SNAP Network Management API

SNAP Network Management API Version 0.2.0.post80

#### Account

HANDLES REQUESTS FOR THE /CHANGEPASSWORD RESOURCE PATH

**POST** /api/v1/changePassword Update password for currently authenticated user

Password complexity rules are enforced when changing the user's password, the new password must be at least 8 characters long and include a combination of lower and uppercase letters, numbers, and symbols.

**Example URI**

**POST** /api/v1/changePassword

**Request** [Show](#)

**Response 200** [Show](#)

**Response 400** [Show](#)

#### Administration

**BACKUP**

**GET** /api/v1/backup Backup database

Create a backup of the current synapse-network-service database

**Example URI**

**GET** /api/v1/backup

**Response 200** [Show](#)

**Response 400** [Show](#)



## Features

- Wirelessly update SNAP device firmware and SNAPpy scripts
- Configurable bulk updates
- Provision custom device types and descriptions
- Filter device lists with search
- Supports networks of up to 250 nodes
- Web UI served by gateway
- Documented REST API served by gateway
- Authentication and HTTPS for security

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