



Technical Reference 137-SZC

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Collecting Data to Set Up SmartZone Cloud	
Applies to:	SmartZone Cloud software
Objective:	Collect all the data needed to setup a SmartZone Cloud system
Pre-Requisites:	SmartZone Cloud software

Description

This document outlines the type of data to collect for the setup of a SmartZone Cloud system. This covers all types of data and assets or equipment. Depending on how the SmartZone Cloud application is to be used, a subset of this data may be required.

Gathering Data

We recommend collecting the following information beforehand to streamline your SmartZone Cloud onboarding experience.

- A list of intended users, including their email addresses and the SmartZone Cloud role they should have (Administrator, Data Center Manager, Power User, Read Only, or Reporting)
- Access policies for locations or assets
- Unit types – imperial or metric
- A list of web domains used by your company (for example, “yourcompany.com”)
- A list of IP addresses or ranges for devices that you wish to include or exclude from SmartZone Cloud discovery scans
- Modbus device data
 - Device ID (address), Type (input register, holding register, coil, discrete input), Data Type (16/32-bit integer, big/little endian, signed/unsigned, float), Sensor type (state, status, selected source)
- BACnet Object Instance, Sensor type for each sensor
 - Supported types include analog input, analog value, binary input, binary value, multi-state input
- Polling interval
- Physical addresses and background images (such as floor maps) for all your data center locations (JPG, SVG, or PNG formats)
- A list of all your racks, including their location, model, and manufacturer
- A list of all your assets, including their location, model, manufacturer, and serial number

- A list of custom properties
 - Name, group, type, asset type, default value
- Thresholds for each sensor
- Discovery settings
 - IP addresses, ranges, etc.
 - Protocol settings (community strings and user/passwords)
 - Discovery schedules (daily, weekly, monthly)

Note: You can download an asset bulk import template directly from SmartZone Cloud as follows (go to **Assets** → **Bulk Import** → **Download Template File** → **Assets**).

Supporting Software and Equipment

You will need to acquire and install the following software to access and operate the SmartZone Cloud application.

- **Supported web browsers:** You can run SmartZone Cloud on Google Chrome, Mozilla Firefox, or Microsoft Edge (Chromium).
- **Setup Data Collectors:** You must install the SmartZone Cloud Data Collector on at least one server that is networked with your devices to run auto-discoveries. For larger organizations, Panduit recommends having one or more Data Collector servers per data center.
 - Download the Data Collector.
 - Install the Data Collector.
 - You can install the Data Collector on a server running Windows Server 2016 or later (for production or testing purposes) or Windows 10 (only for testing). The server must have a minimum of 2 CPU cores, 4 GB of RAM, and 20 GB of free space. You cannot install multiple instances of the Data Collector on the same server.
 - Register the Data Collector.
 - Allow network access.

Protocol	Ports	Credential Requirements
SNMP	161, 162	Community string or user/pass
Modbus/TCP	502	Not required
BACnet IP	87808 or UDP	Not required
IPMI	623 and 1900	User/password
iLO	623	User/password
SSH	22	User/password or user/key
WMI	135	User/password
VMware	883	User/password