TURNTIDE

TECHNICAL

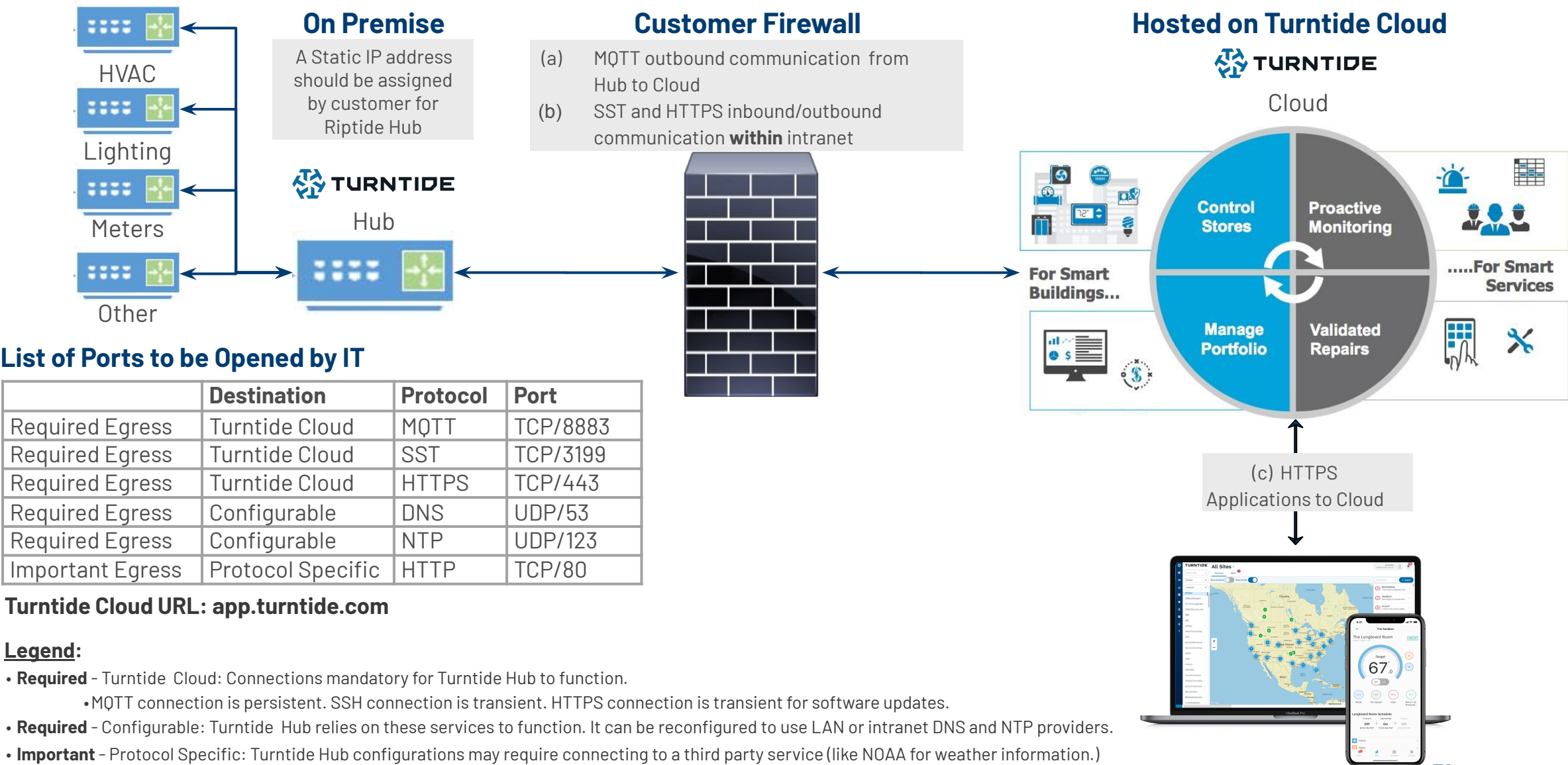# IT INFRASTRUCTURE REQUIREMENTS FOR THE TURNTIDE APP

Speaker Name
Speaker Title
Date

Turntide Architecture Overview

On Premise

A Static IP address should be assigned by customer for Riptide Hub

TURNTIDE

Hub

HVAC
Lighting
Meters
Other

Customer Firewall

(a) MQTT outbound communication from Hub to Cloud

(b) SST and HTTPS inbound/outbound communication **within** intranet

Hosted on Turntide Cloud

TURNTIDE

Cloud

For Smart Buildings...

Control Stores | Proactive Monitoring

Manage Portfolio | Validated Repairs

.....For Smart Services

(c) HTTPS Applications to Cloud

List of Ports to be Opened by IT

	Destination	Protocol	Port
Required Egress	Turntide Cloud	MQTT	TCP/8883
Required Egress	Turntide Cloud	SST	TCP/3199
Required Egress	Turntide Cloud	HTTPS	TCP/443
Required Egress	Configurable	DNS	UDP/53
Required Egress	Configurable	NTP	UDP/123
Important Egress	Protocol Specific	HTTP	TCP/80

Turntide Cloud URL: app.turntide.com

Legend:

• **Required** – Turntide Cloud: Connections mandatory for Turntide Hub to function.

  • MQTT connection is persistent. SSH connection is transient. HTTPS connection is transient for software updates.

• **Required** – Configurable: Turntide Hub relies on these services to function. It can be reconfigured to use LAN or intranet DNS and NTP providers.

• **Important** – Protocol Specific: Turntide Hub configurations may require connecting to a third party service (like NOAA for weather information.)

TURNTIDE

Network Information for Turntide

For the Turntide Hub to connect upon install, the following info is needed from customer IT:

Static IP Address to be assigned to Turntide Hub: _____

Default Gateway IP: _____

Subnet Mask: _____

If applicable,

DNS1: _____   DNS2: _____   NTP: _____

If Turntide ships without this information, on-site configuration can be done by following the Quick Start Guide provided with shipment.