# Cloud Hosting
# General Architecture

**Azure**

Hosted SQL Option — **Azure SQL**

**TrakSYS™ Server**

TS Web     LS / HS     DMS

**Azure Firewall**
**Network Security Group**

RDP Port 3389     Port 80 / 443

Port ???

Port 80 / 443     OPC UA Ports     **Site Firewall**

**On-Prem Network**

**TrakSYS™ Clients**

**Server Admin**     **Smart Devices**     **Automation**     **Business Systems**

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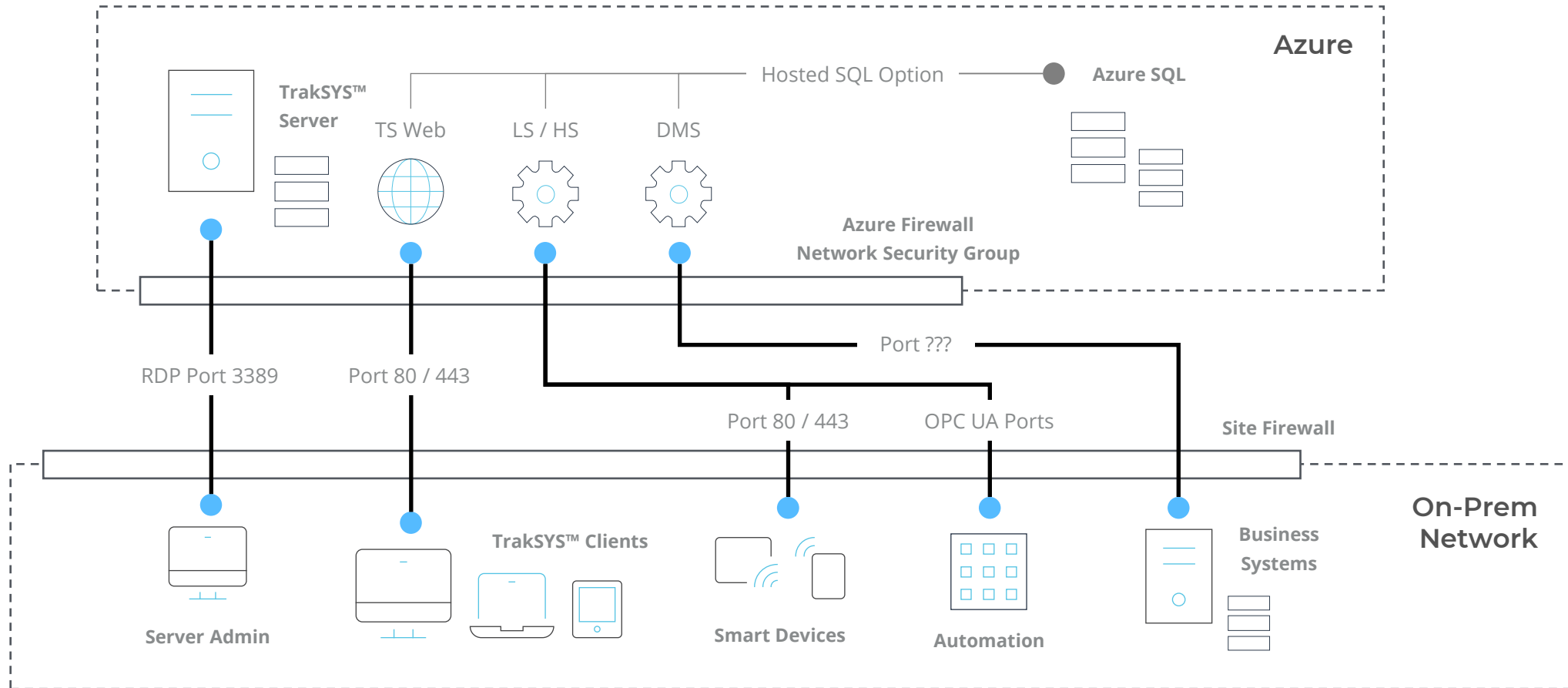
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# Considerations

## Public Connection

Communication between site and TrakSYS occurs over the public Internet.

**Provider Managed Infrastructure**
- OS / TrakSYS Updates
- Backups
- Management fees in addition to base cloud infrastructure fees.

**Client Connectivity**
Clients (browsers) connect to TS Web via secured HTTPS URL.

**Automation Connectivity**
Must use OPC UA or Smart Devices for automation connectivity.

**Business System Connectivity**
Solution-specific connections required to link TrakSYS to on-prem business systems.

## Private Connection

Communication between site and TrakSYS occurs over a private VPN.

**Self Managed Infrastructure**
- OS / TrakSYS Updates
- Backups
- Customer IT departments own the cloud subscriptions and management.

**Client Connectivity**
Clients (browsers) may connect to TS Web via HTTP or HTTPS.

**Automation Connectivity**
OPC DA, OPC UA and Smart Devices are all available for automation connectivity.

**Business System Connectivity**
More options for connections between TrakSYS and on-prem business systems.

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