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Title	Ports used by System Platform products
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Issue

Ports used by System Platform products

System Monitor

Port	Can be configured	Protocol	Subsystem	Purpose
25	Yes	TCP (SMTP)	System Monitor	SMTP Server
80	Yes	TCP (HTTPS)	System Monitor	Sentinel Console Service
443	Yes	TCP (HTTPS)	System Monitor	Secure Sentinel Console Service
587	Yes	TCP (SMTP)	System Monitor	Secure SMTP Server

Environment

2023 R2 SP1

Resolution

The following tables list the ports used by System Platform products.

Note: Firewall settings for all destination ports must allow INBOUND connections

Application Server

Port	Can be configured	Protocol	Subsystem	Purpose

Port	Can be configured	Protocol	Subsystem	Purpose
135	No	TCP	Bootstrap	DCOM and RPC
139 445	No	TCP	Bootstrap	DCOM and NetBios
443	No	TCP (HTTPS)	AVEVA.AppServer. BootstrapProxy.exe	AVEVA.AppServer. BootstrapProxy.exe
808	Yes	TCP	Multi-Galaxy	Galaxy Pairing ASBAuthentication Service ASBGRBrowsing Service IOM BLS Service ASMBMxDataProvider Service
5026	Yes	TCP	NMXSVC	NMXSVC
8090	Yes	TCP	aaGR	aaGR
30000 30001	Yes	TCP/UDP TCP	Bootstrap, Redundancy PMC	Local redundancy messaging (WinPlatform) Required for all Platform Nodes to access information on the redundancy status/for deyploment.
32568	Yes	TCP	aaEngine.exe	aaEngine.exe
48031	Yes	TCP	Platform Common Services	OPC UA Server
49152 – 65535	No	TCP	aaGlobalDataCacheMonitorSvr aaGR aaIDE aaObjectViewer aaPIM aaPlatformInfoSvr aaUserValidator Bootstrap	DCOM

AVEVA Historian

Port	Can be configured	Protocol	Subsystem	Purpose
32565	Yes	TCP	aaClientAccessPointNG.exe	Historian Client Access Point NG
32568	Yes	TCP	AVEVA Historian	AVEVA Historian as a real-time service
32569	Yes	TCP (HTTPS)	Insight	Insight on-premise gateway
32573	Yes	TCP (HTTPS)	Historian Secured Gateway	REST communications

Device Integration (Communication Drivers Pack)

Port	Can be configured	Protocol	Subsystem	Purpose
102	No	TCP	SiDirect OI Server	Siemens PLC communication to OI Server

Port	Can be configured	Protocol	Subsystem	Purpose
135	No	TCP	DASEngine, OPC	DCOM and RPC
443	Yes	TCP (HTTPS)	GDIWebServer	MQTT and Auto- Build configuration
502	No	TCP	MBTCP OI Server	Modbus communication to OI Server
1883 8883	Yes	TCP	MQTT	MQTT broker communication to OI Server
2221 2222 2223	No	TCP	ABTCP OI Server	Allen-Bradley PLC communication to OI Server
5413	No	TCP	SuiteLink	SuiteLink communication
18245	No	TCP	GESRTP OI Server	GE PLC communication to OI Server
44818	No	TCP	ABCIP OI Server	Allen-Bradley CIP PLC communication to OI Server
See note, below	Yes	TCP	OPC UA Services	Remote access to the OPC UA servers

Note: The Communication Drivers Pack uses the default OPC ports, which are are configurable. For details, refer to the OPC Foundation documentation:
https://opcfoundation.github.io/UA-.NETStandard/help/firewall_settings.htm

InTouch

Port	Can be configured	Protocol	Subsystem	Purpose
51218	No	TCP	Alarmmgr.exe	Alarm Manager
48032 – 65000	Yes	TCP	InTouch.OPCUA.ServiceHost.exe	InTouch OPC UA

InTouch Access Anywhere (ITAA)

Port	Can be configured	Protocol	Subsystem	Purpose
443	Yes	TCP	EricomSecureGateway.exe	Secure Gateway
7433	Yes	TCP	EricomAuthenticationServer.exe	Access Anywhere Authentication Server
8080	Yes	TCP	EricomSecureGateway.exe AccessServer64.ex e	Communication between ITAA Server and ITAA Secure Gateway
57111	No	UDP	EricomSecureGateway.exe	Secure Gateway
57733	No	TCP	AccessServer64.ex e	Server

57734	No			
57735	No			

Licensing

Port	Can be configured	Protocol	Subsystem	Purpose
80	Yes	TCP (HTTP)	License Manager	Web Service
443	Yes	TCP	License Manager	License Manager outbound to activation server
50051	Yes	TCP (HTTPS)	Licensing Platform	Serve licensing requests from products
55555	Yes	TCP (HTTP)	License Server	License Server Translator service. Also required to support prior client versions from Server 4.0
55559	Yes	TCP (HTTP/ HTTPS)	License Server	License Server core service
59200	Yes	TCP	License Server	License Server Agent Service
59201	Yes	TCP (HTTPS)	License Server	License Server Agent Service

OMI Web Client

Port	Can be configured	Protocol	Subsystem	Purpose
80 808	No	TCP (HTTP)	VCP	vcp.services.onprem.DataAccess.exe vcp.services.onprem.WebServer.exe
443 80	No	TCP (HTTPS)	VCP	vcp.services.onprem.frontdoor.exe

Operations Control Logger

Port	Can be configured	Protocol	Subsystem	Purpose
135	No	TCP	RPC	Used for dynamic port mapping

Platform Common Services (PCS)

Port	Can be configured	Protocol	Subsystem	Purpose
80	No	TCP (HTTP)	PCS	PCS.ServiceManager.exe
443	Yes	TCP (HTTPS)	PCS	PCS.Agent.exe(Discovery)

AVEVA

Port		Protocol		Purpose
808	Yes	TCP	PCS	WCF shared port PCS.IdentityManager.Host.exe
1900	No	UDP (SSDP)	PCS	PCS.IdentityManager.Host.exe SSDP
7084	No	TCP	PCS	System authentication during node registration
7085	No	TCP	PCS	System authentication during node registration

SQL Server

Port	Can be configured	Protocol	Subsystem	Purpose
1433	Yes	TCP	SQL Server	SQL Server
1434	No	UDP	SQL Server	SQL Server browser

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