


Knowledge Base



Considerations for using 3DEXPERIENCE platform On Cloud with network security solutions like a firewall, Virtual Private Network (VPN), proxy server, and Zero Trust Network Access (ZTNA)

Process: n/a
Apps: n/a
Platform: Cloud

Information

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QUESTION

What do I need to consider if I use the 3DEXPERIENCE platform On Cloud with network security solutions like a firewall, Virtual Private Network (VPN), proxy server, and Zero Trust Network Access (ZTNA)?

ANSWER

Regardless of the network security solution your IT team designs, you must consider adding allowances for 3DEXPERIENCE platform On Cloud services.

1. The solution must be designed to work with domain names, not IP addresses.
2. The [Cloud Eligibility Checker](#) should pass all checks, and *must* pass the network checks. The results explain what the minimum allowances are:
 - [dslauncher.3ds.com](#)
 - [*.software.3ds.com](#) (3DEXPERIENCE Launcher downloads from this domain, and Dassault Systèmes installers send installation statistics to this domain.)
 - [eu1-ds-iam.3dexperience.3ds.com](#) (3DPassport)
 - **Port 443** (For HTTPS communication.)
 - **Port 20250, 33150, or 44550** (For HTTPS communication with 3DEXPERIENCE Launcher. Note: Although not required, 3DEXPERIENCE Launcher will also connect to port 20300, 33200, or 40600 for HTTP communication.)
3. If your network requires additional allowances, then allow the following domain names:
 - [*.3ds.com](#) (Dassault Systèmes domain.)
 - [*.outscale.com](#) (Data center infrastructure owned and operated by Dassault Systèmes. Some regions require connectivity to this domain.)
 - [*.amazonaws.com](#) (Installation media is downloaded from this domain.)



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- ***.amazonaws.com.cn** (*For users in the China region, installation media is downloaded from this domain.*)

4. If your network requires more discrete allowances, then allow the following **3DEXPERIENCE** platform On Cloud domain names:

- ***.3dexperience.3ds.com**
- ***.3dexperience.cn** (*For users in the China region.*)

5. If your network requires even more discrete allowances, then allow the following **3DEXPERIENCE** platform On Cloud web service domain names:

- ***.ifwe.3dexperience.3ds.com** (3DDashboard)
- ***.compass.3dexperience.3ds.com** (3DCompass)
- ***.registry.3dexperience.3ds.com** (3DRegistry)
- ***.space.3dexperience.3ds.com** (3DSpace)
- ***.dfcs.3dexperience.3ds.com** (Distributed File Collaboration Server)
- ***.3dswym.3dexperience.3ds.com** (3DSwym)
- ***.drive.3dexperience.3ds.com** (3DDrive)
- ***.fedsearch.3dexperience.3ds.com** (3DSearch)
- ***.lic.3dexperience.3ds.com** (Dassault Systèmes License Server)
- ***.rtc1.3dexperience.3ds.com** (3DMessaging - Desktop Apps only)
- ***.grid.3dexperience.3ds.com** (SIMULIA Desktop Apps only)
- ***.hpc.3dexperience.3ds.com** (SIMULIA Desktop Apps only)

*For users in the China region, these domains are *.3dexperience.cn.*

6. If your network requires Fully Qualified Domain Names (FQDN), then generate your unique FQDNs in the form:

<platform ID >- <data center >- <web service >.3dexperience.3ds.com

The platform ID and data center are known to your platform administrator. *For users in the China region, these domains are *.3dexperience.cn.*

7. If you have **3DEXPERIENCE SOLIDWORKS**, **3DEXPERIENCE DraftSight**, or **Collaborative Designer for SOLIDWORKS** roles, then you need an additional allowance for a port in the following range:

- **Port 2000-5000** - The PLM Collaborative Services Adapter Client (PLMCSA Client), as well as the ENOVIA Integration Exchange Framework (IEF), connect through this range of ports.

8. Optional allowances

***.extranet.3ds.com** - Desktop Apps send usage data to this domain. See the *OIC (Online Information Collection)* page of the User Assistance for more information.

KEYWORDS



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