Domain Requirements for ArcGIS Online
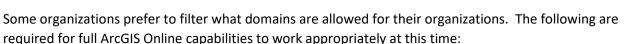
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Some organizations prefer to filter what domains are allowed for their organizations. The following are required for full ArcGIS Online capabilities to work appropriately at this time:

> https://ago-item-storage.s3.amazonaws.com
> https://ago-item-storage.s3.us-east-1.amazonaws.com
> https://*.arcgis.com
> https://*.arcgisonline.com
> https://*.esri.com
> https://*.blob.core.windows.net

Customers utilizing the EU Region additionally require:
> https://prd-ago-items.s3.eu-central-1.amazonaws.com
> https://prd-ago-items.s3.eu-west-1.amazonaws.com

Customers utilizing the AP Region additionally require:
> https://prd-ago-items-apse1.s3.ap-southeast-1.amazon.com
> https://prd-ago-items-apse2.s3.ap-southeast-2.amazon.com

Notes:

1. **HTTP & HTTPS** - Most likely, if your organization is incorporating domain exceptions, your ArcGIS Online administrator has enabled requiring TLS (HTTPS) for all ArcGIS Online communication. If you have an ArcGIS Online organization not requiring TLS, you will of course need to allow both http & https for the first three items in the list.
2. **HTTP** - If you are concerned about the HTTP reference to esri.com, it is there for documentation references to help users (not for user content exchange).
3. **Bing Maps** - If your organization has licensed and registered for Bing maps and consumes those services as part of ArcGIS Online you will need to add https://*.virtualearth.net
4. **Fully Qualified Domain Names (FQDN) -** Some customers prefer whitelisting only FQDN's instead of utilizing domain names with wildcards (as provided within this document above). Due to adding new domains on a regular basis for scalability and providing new capabilities, we don't recommend specifying FQDN's for whitelisting ArcGIS Online capabilities. If your organization still requires this level of whitelisting*, despite the likelihood of breaking the application periodically*, please go to the limited access Trust Center "Customer Accessible Documents" and view the supplementary Domain Requirements for ArcGIS Online document there for details.
5. **Static IP Addresses** - Some customers prefer to whitelist IP addresses instead of domains as provided within this document above, however many ArcGIS Online systems do not utilize static IP addresses at this time. If your organization must utilize IP address restrictions, the ranges to be whitelisted are large as they represent the underlying cloud infrastructure provider IP address ranges. Beware that cloud infrastructure providers change their IP address ranges periodically which could affect your whitelisting requirements and therefore this approach is NOT recommended.
   a. Amazon Web Services IP's US-* regions and CloudFront/Global
   b. Microsoft Azure IP's