Portal for ArcGIS

TCP: 5701-03, 7120, 7654, 7820, 7830, 7840 HTTPS: 7443, HTTP: 7080 (if configured)

TCP: 5701-03, 7005, 7099, 7120, 7654, HTTPS: 7443, HTTP: 7080 (if configured) and 7220

HTTPS: 7443, HTTP: 7080 (if configured)

Ephemeral ports

TCP: 11211, 1024-5000 or 49152-65535

webgisdr tool

TCP: 50432 (for upgrades)

ArcGIS Web Adaptor

HTTP: 80, HTTPS: 443

All ArcGIS Server Roles

HTTPS: 7443

ArcGIS Web Adaptor

HTTP: 80 HTTPS: 443

HTTPS: 443

HTTPS: 21443

HTTP: 6080, HTTPS: 6443

HTTPS: 6143, HTTP: 6180, TCP: 4181, 4182, 4190, 9191-94

Video Server

HTTP: 6080, HTTPS: 6443

TCP: 1024-5000 or 49152-65535 Ephemeral ports

TCP: 1098 or 1099, 6006, 6099

HTTPS, WSS: 13443

HTTPS: 11443

GeoEvent Server

TCP: 5565, 5575, 2181, 2182, 2190

HTTPS: 20443 WSS: 20301

GeoAnalytics Server [1]

12181, 12182, 12190, 56540-56545, 7077

Hosting Server

HTTPS: 6443

Raster Analytics

Image Hosting Server

Workflow Manager

Notebook Server

Knowledge Server

Mission Server

TCP: 20160

TCP: 13820, 13830, 13840, and HTTP: 9880

TCP: 11211

HTTPS: 2443

ArcGIS Data Store

HTTPS: 9220

HTTP: 29878 HTTPS: 29879

TCP: 9876

HTTP: 29080, HTTPS: 29081

TCP: 9829

HTTPS: 2443

TCP: 9006

Spatiotemporal big data store

TCP: 9320, HTTPS: 9220

Object Store

TCP: 45672, 45671 [2]

Tile cache data store

TCP: 4369 and 29085-29090

Graph store

TCP: 9828, 9829, 9831

TCP: 30000-650000

Ephemeral ports

gRPC: 29858, 29859
Hadoop RPC: 29860-63
HTTP: 9880, 29874, 29876, 29882
HTTPS: 29875, 29877, 29883
TCP: 9820, 9830, 9840

Relational data store

HTTPS: 2443

TCP: 25672, 44369, 50432

TCP: 29082

TCP: 11211

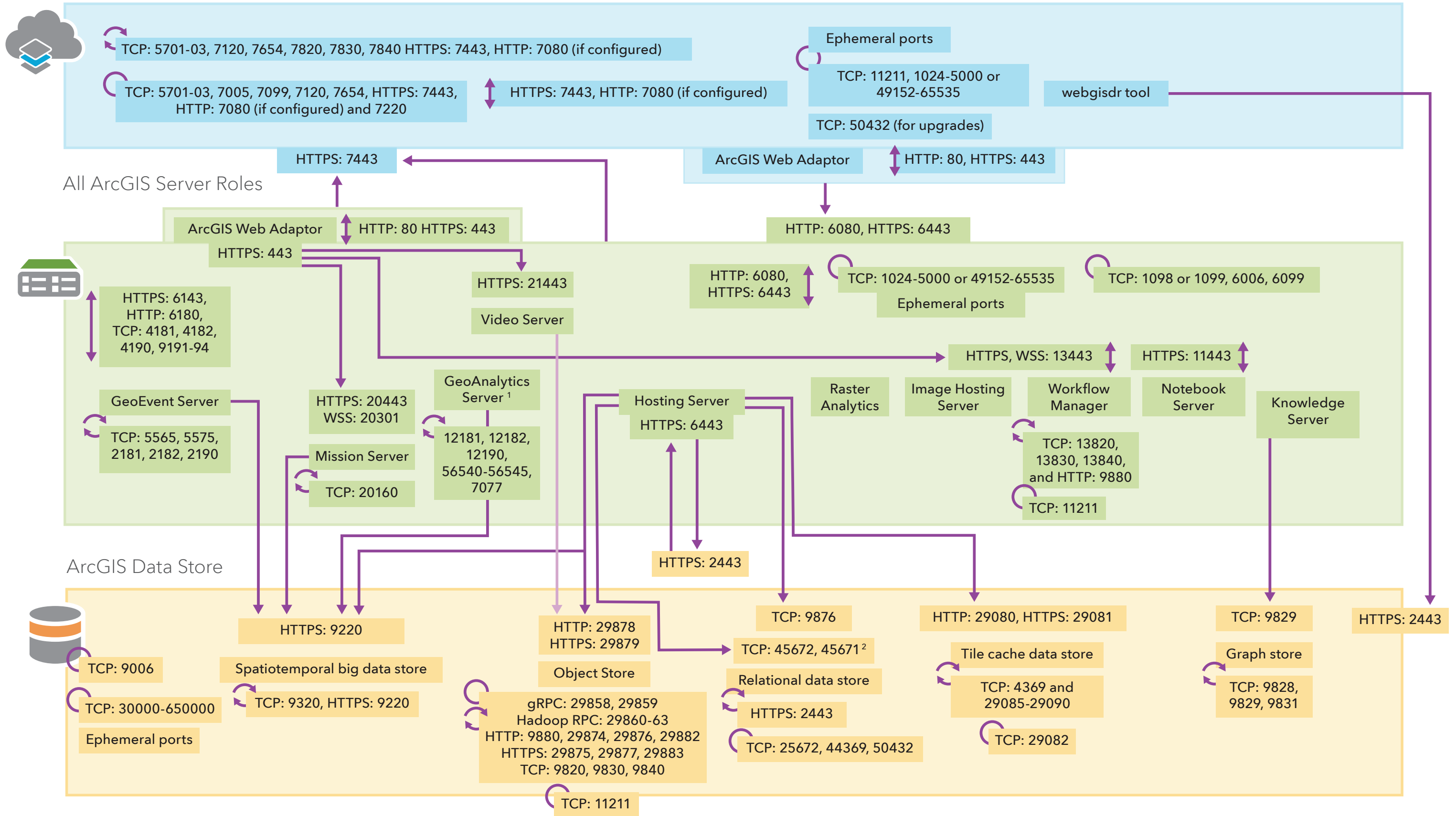[1] **If GeoAnalytics tools output to the relational data store, the GeoAnalytics Server needs access to the relational data store through port 9876.**

[2] **These ports are also neeeded to communicate with federated ArcGIS Server sites that use webhooks.**

Ports need to be available on individual machines. No external communication is needed.

Ports used for communication between machines in the same site or data store. For example, all machines in a single ArcGIS Server site or a single object store.

Ports used for single direction communication between different components or sites.

Ports used for inbound and outbound communication between different components or sites.

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