

Channel Access Gateway

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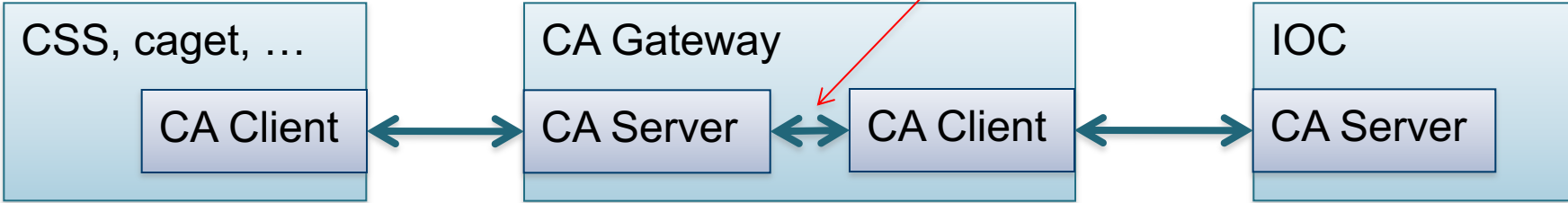
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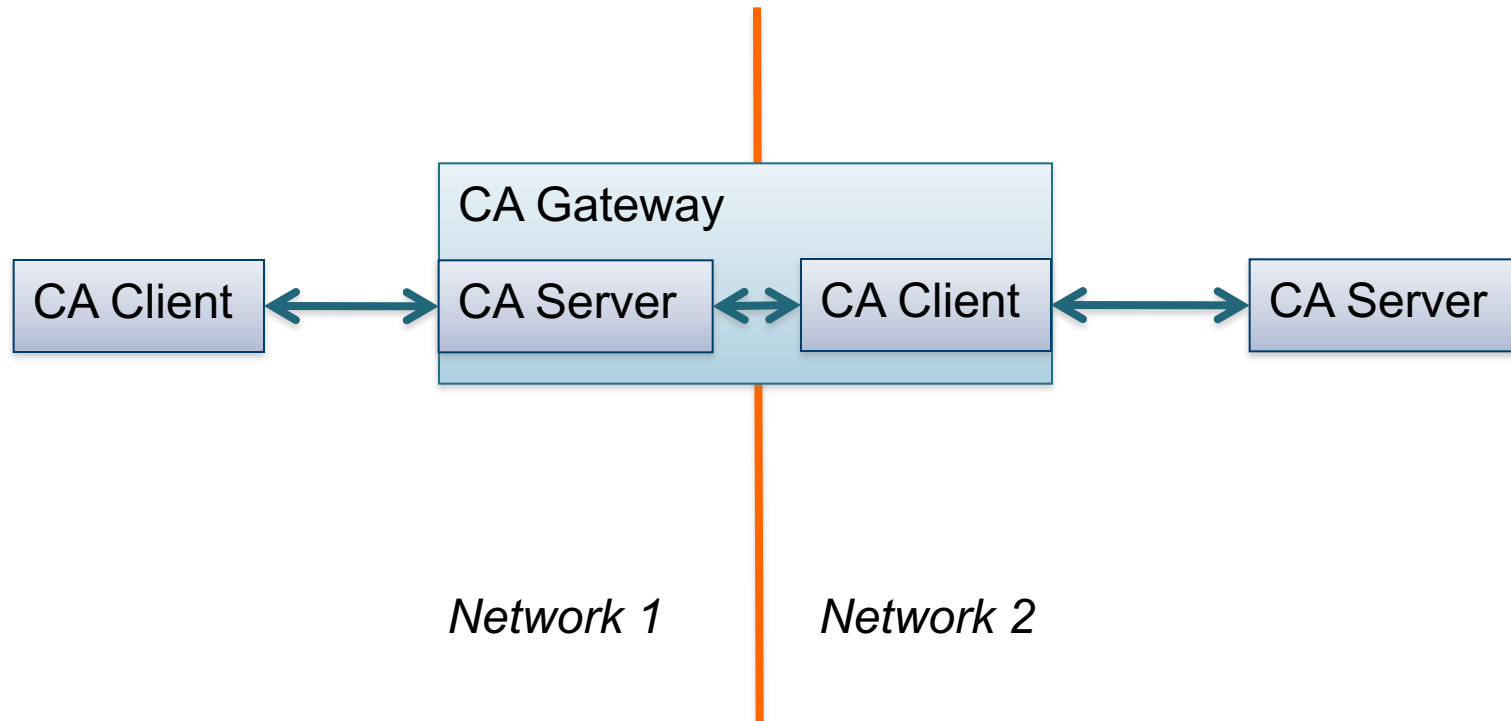
Principle

Certain miracles are possible right there...



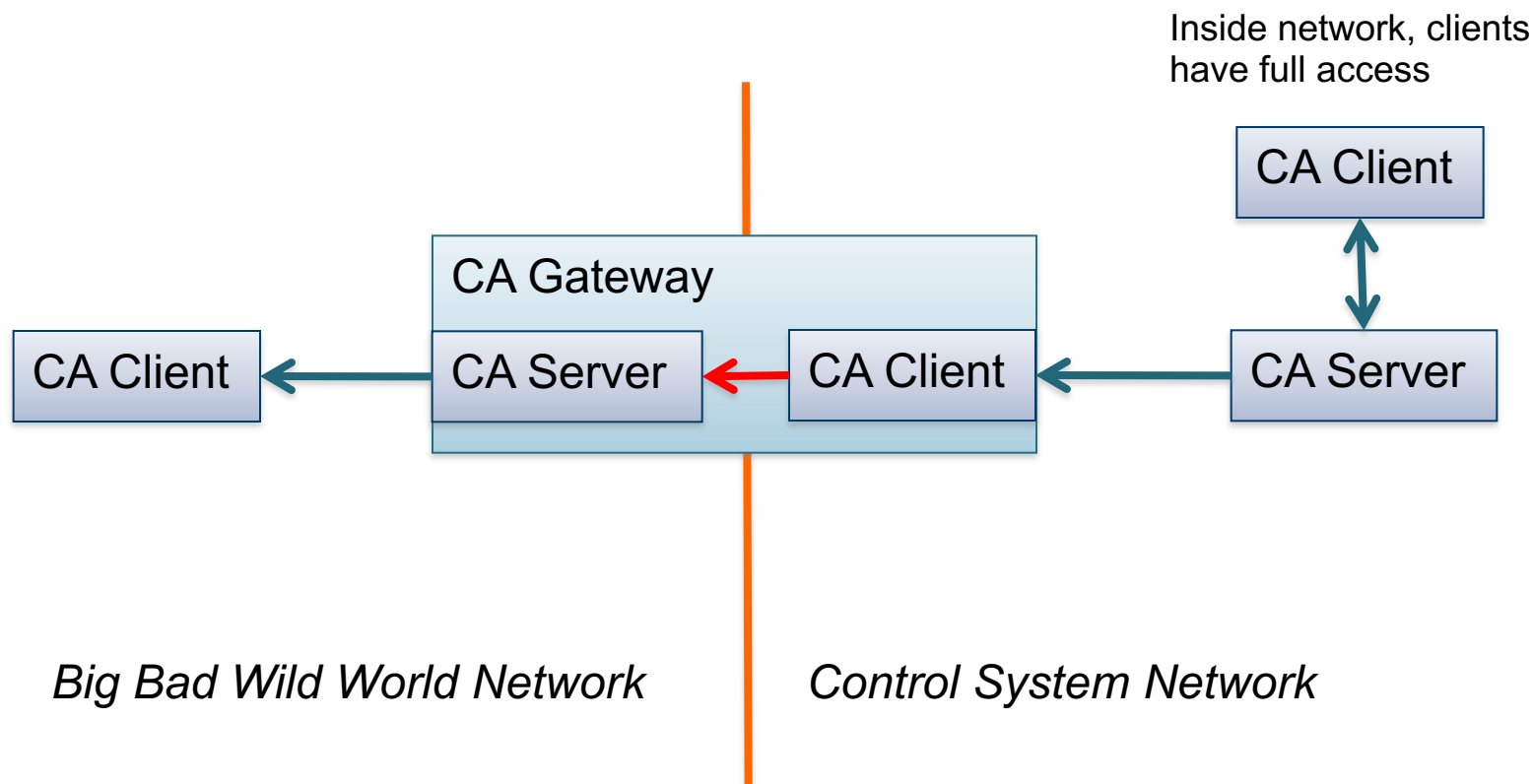
Why? Bridge Networks!

Gateway on computer w/ multiple network connections. Maybe in DMZ.



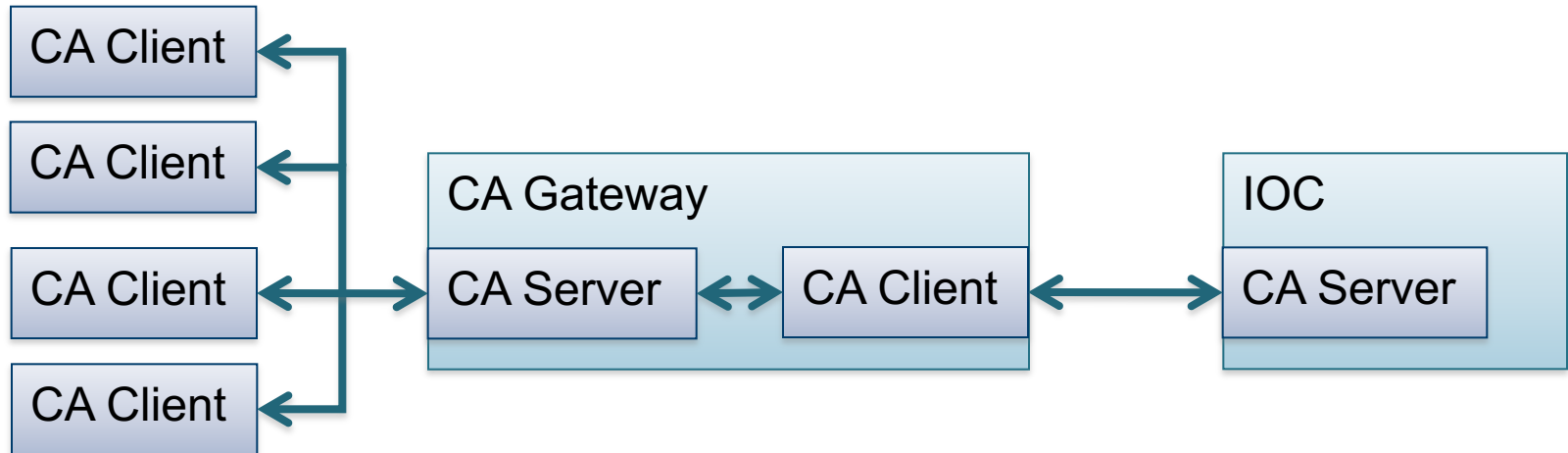
Why? Access Control!

Gateway often 'read only'



Why? Reduce network load!

Gateway buffers connections and values.



Clients disconnect from GW

→ **GW keeps its connection for a little while.**

**Reduced search requests,
IOC connects/disconnects**

Configuration

- **Read from where?**
 - Like EPICS_CA_ADDR_LIST
- **Serve to whom?**
 - Network interfaces on which to run server
 - CA security
- **Other**
 - Write log?
 - Publish GW status via extra PVs?
 - Transform PV names?

Details

- **Everything you ever wanted to know**
<https://epics.anl.gov/extensions/gateway/index.php>