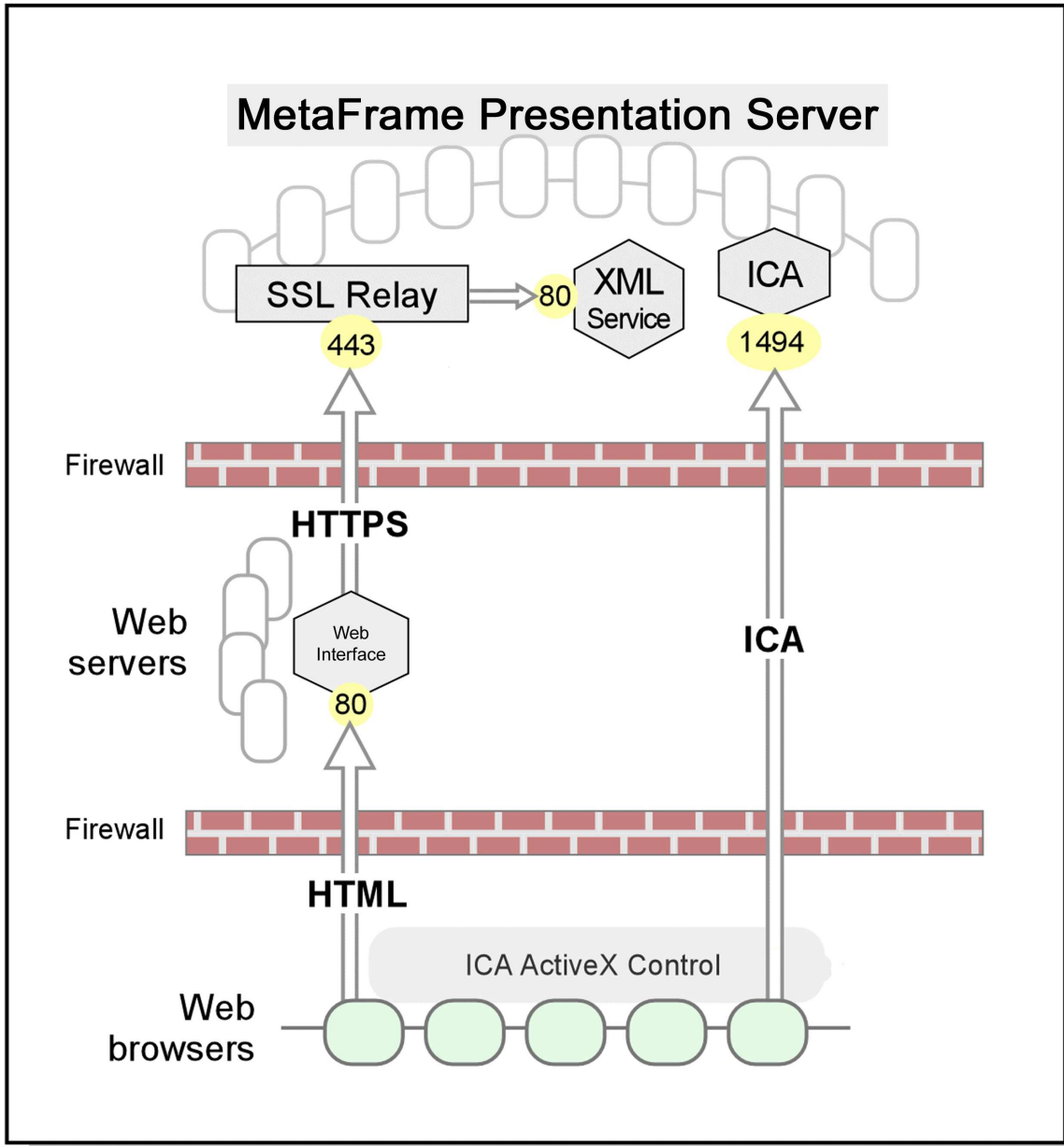


*This diagram shows basic client-to-server communication. With a firewall between clients and servers, port 80 is open for inbound HTTP to the XML Service, and port 1494 is open for inbound ICA packets.*

The process of running the application begins with ICA browsing for server location. TCP/IP+HTTP protocol and server addresses are specified for server location in the MetaFrame Presentation Server Client.

1. The client sends a request to the Citrix XML Service on port 80 on a specified server using HTTP.
2. The Citrix XML Service sends the address of a server that has the requested application.
3. The client establishes an ICA session with the server specified by the XML Service. ICA packets travel from the client to port 1494 on the server. ICA packets travel from the server to a dynamically assigned port number on the client.

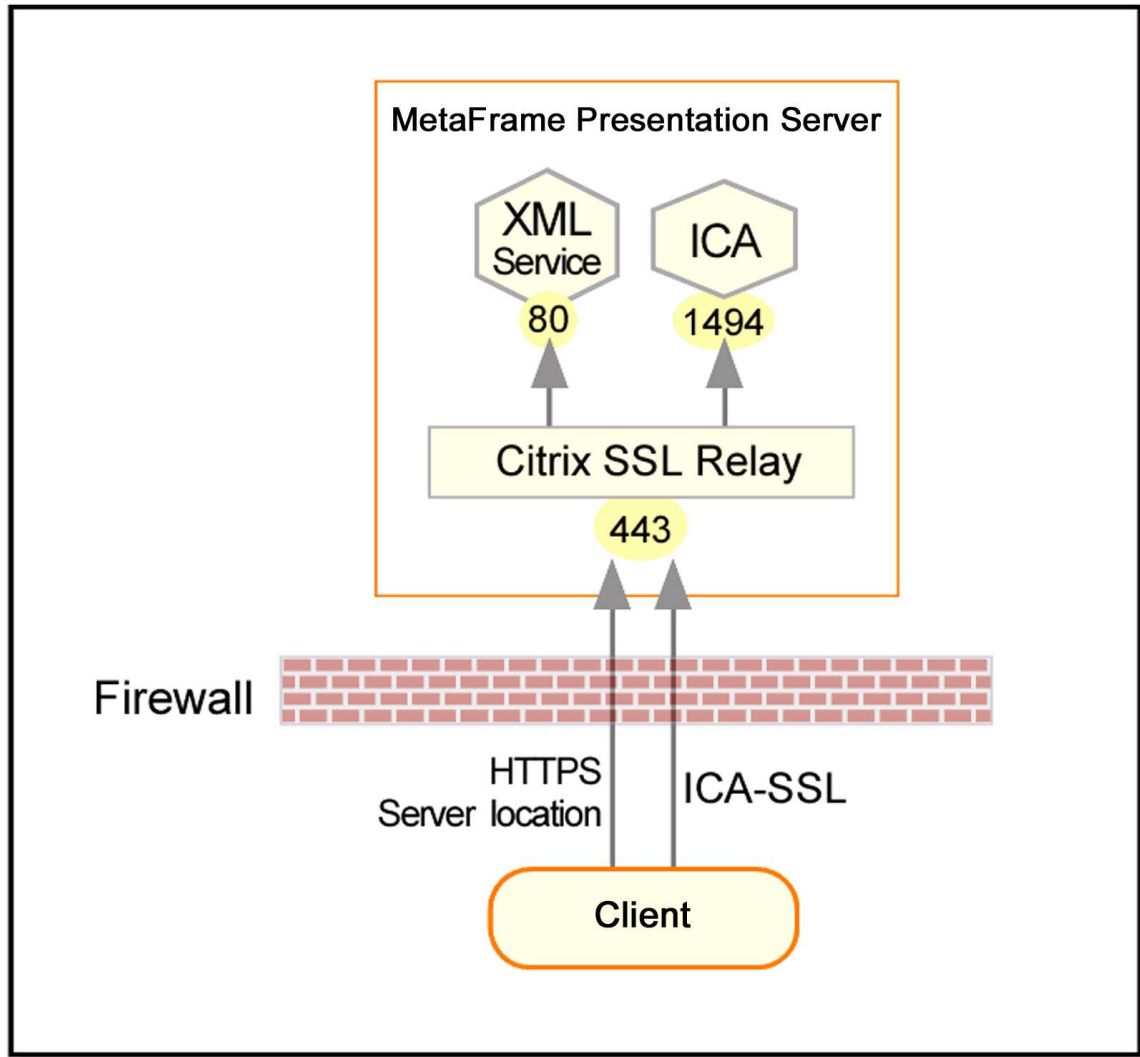
Organizations often place their Web servers in a demilitarized zone (DMZ) between firewalls. In the following configuration, servers running the Web Interface are located between firewalls to isolate them from the server farm and clients.



*This diagram shows communication with servers running the Web Interface. In a network configuration with Web servers in a demilitarized zone between firewalls, users' Web browsers send application requests to servers running the Web Interface. Web servers send secure (HTTPS) requests to the SSL Relay and XML Service in the server farm. Clients establish ICA sessions with servers on port 1494. The port used on the clients is configured dynamically.*

As with the basic configuration, Citrix recommends that clients use the TCP/IP+HTTP protocol to communicate through a firewall. When the user launches an application from a Web page, the client establishes an ICA session through the firewall to port 1494 on the server.

The diagram below illustrates communication between clients and servers when SSL encryption is used.



*This diagram shows client-to-server communication with SSL. For SSL communication, port 443 is open for inbound communication to the Citrix SSL Relay. The client communicates with the SSL Relay for server location and ICA session communication.*

The process of running the application begins with ICA browsing for server location. In this scenario, SSL+HTTPS protocol and server IP addresses are specified for server location in the client.

1. The client sends an encrypted request to the Citrix SSL Relay on port 443 on a specified server using HTTPS.
2. The SSL Relay decrypts the request and sends it to the Citrix XML Service on port 80.
3. The Citrix XML Service sends the address of a server that has the requested application to the SSL Relay.
4. The SSL Relay encrypts and sends the address of the server to the client.
5. The client establishes an SSL-encrypted ICA session with the server specified by the Citrix XML Service. ICA packets travel from the client to port 443 on the server and are then decrypted and passed to port 1494. SSL-encrypted ICA packets travel from the server to the client.