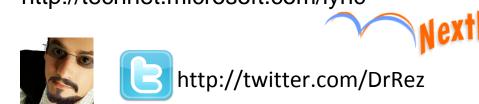


Protocol Workloads

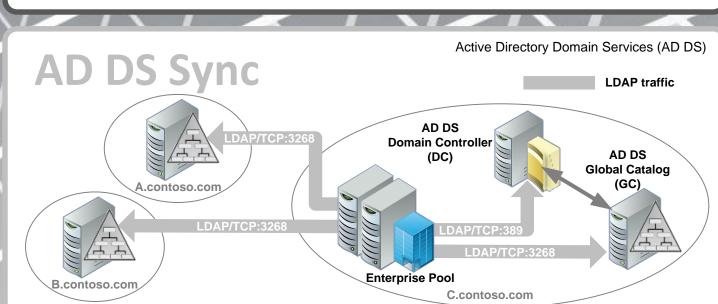
LEARN MORE

http://technet.microsoft.com/lync

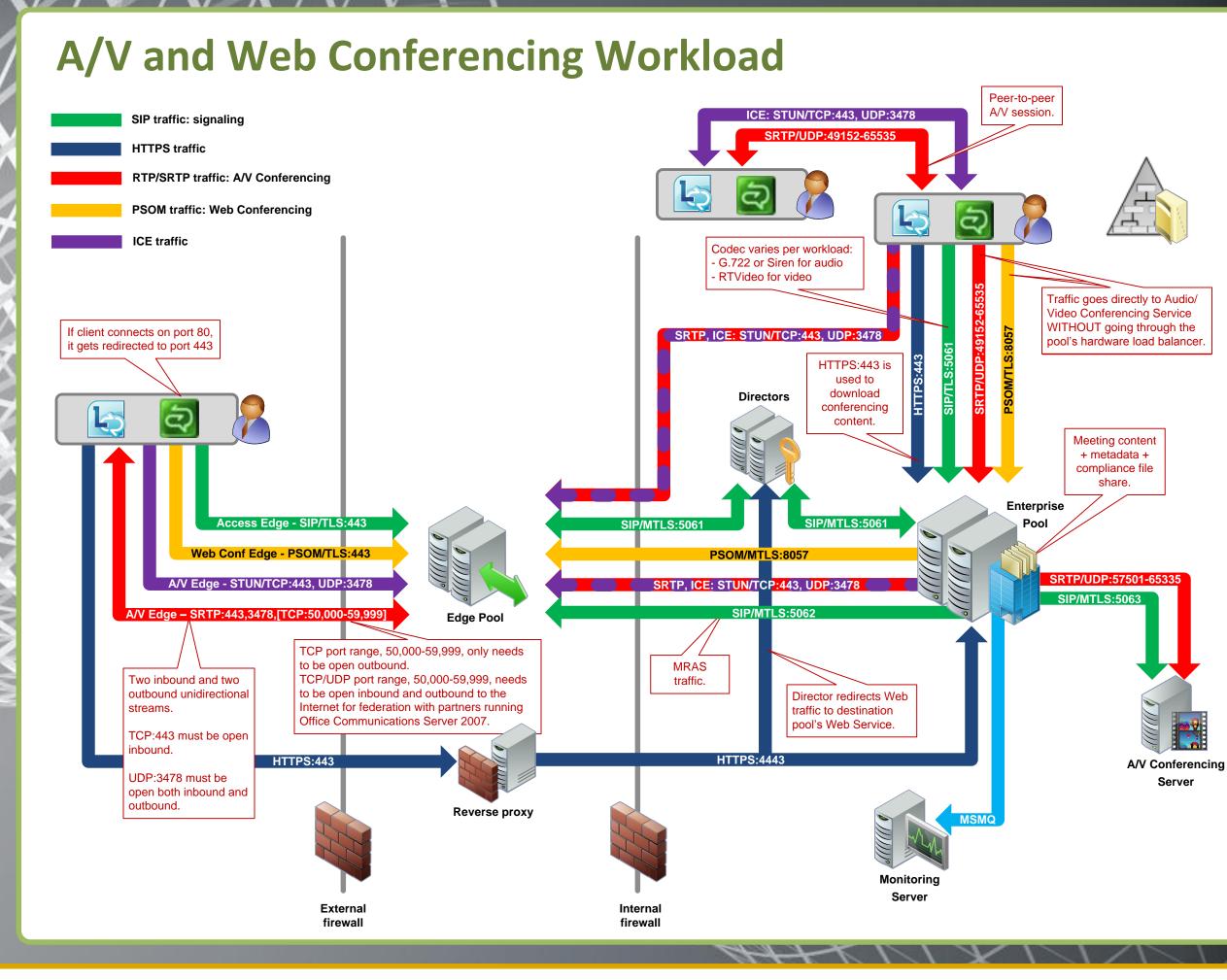


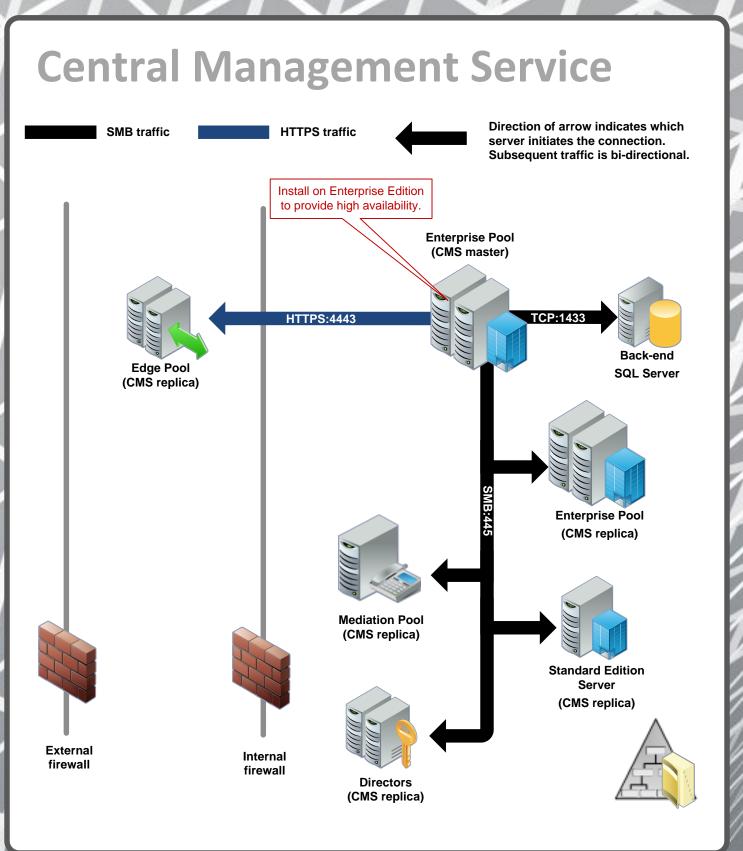
http://go.microsoft.com/fwlink/?LinkId=204593 http://nexthop.info

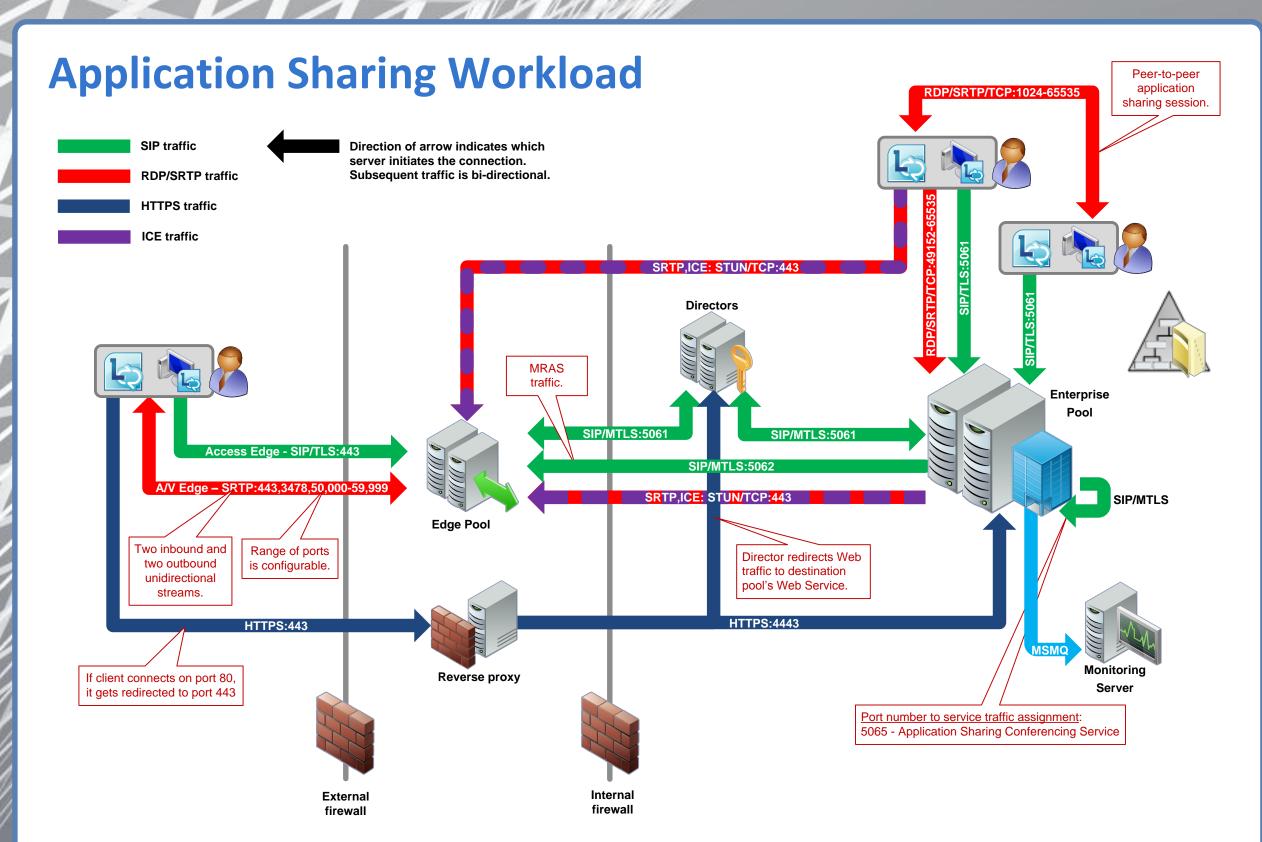
Author: Rui Maximo — Editor: Kelly Fuller Blue — Designer: Ken Circeo Reviewers: Jens Trier Rasmussen, Paul Brombley, Doug Lawty, Stefan Plizga, Jeff Colvin, Kaushal Mehta, Richard Pasztor, Thomas Binder, Subbu Chandrasekaran, Randy Wintle, Rob L., Stefan Heidl, Fabian Kunz,

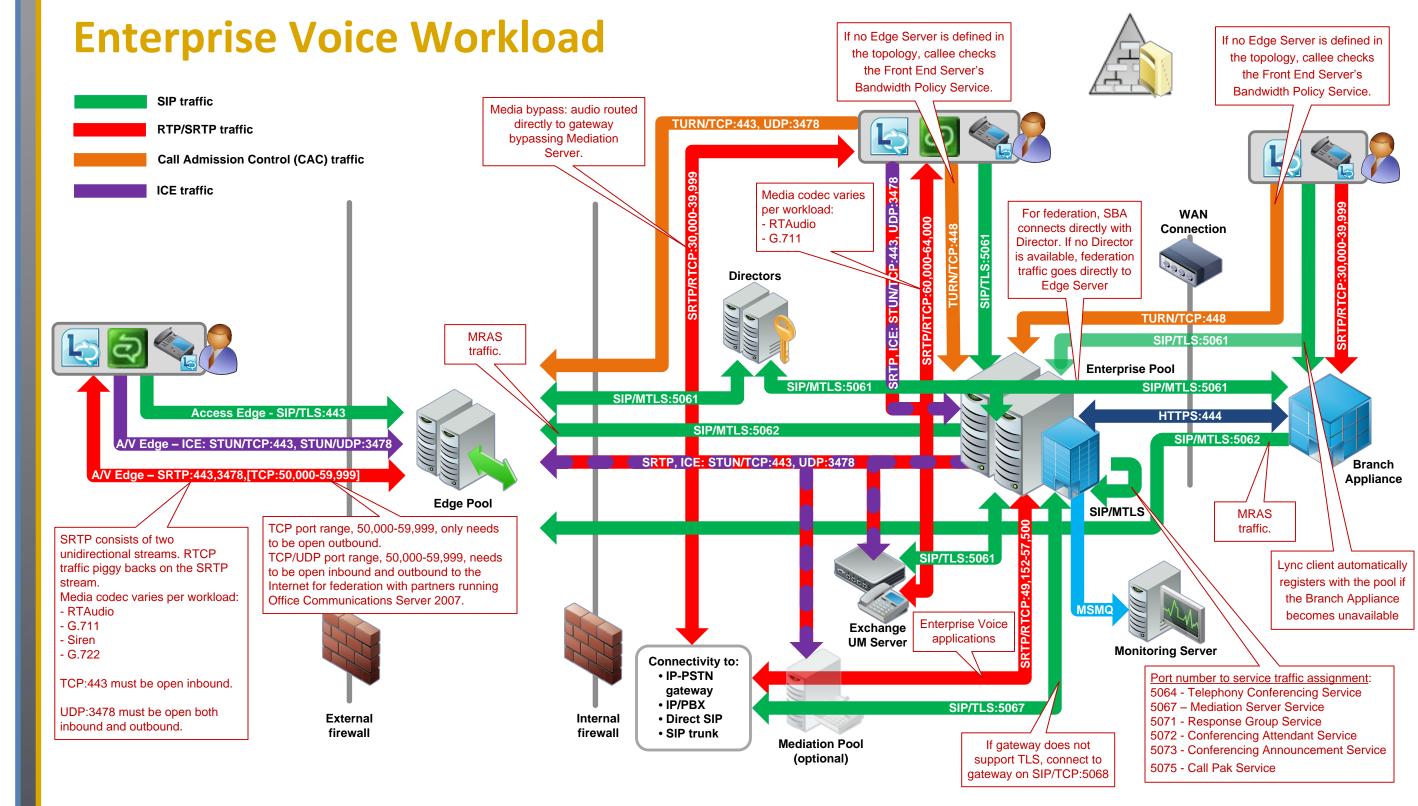


IM and Presence Workload 1. Client resolves DNS SRV record _sipinternaltls._tcp.<sip-domain> to Director. 2. Client connects to Director. 3. Director redirects client to user's home pool. This port is used to connect to Lync Web Services download the Address Book - provide distribution list expansion download meeting content - connect to the Mobility Service connect to the AutoDiscovery Service his port is used to: Publish rule for port 4443 to download the Address Book set "forward host header" to Client resolves DNS SRV record _sip._tls.<sip-domain> to Edge Server. connect to the Mobility Service true. This ensures the Client connects to Edge Server. connect to the AutoDiscovery Service original URL is forwarded . Edge Server proxies connection to Director . Director authenticates user and proxies connection to user's home pool 135 – only if SIP traffic is load balanced by HLB HTTPS:443 pool's Web Service. C3P/HTTPS:444 Federated Port number to service traffic 5062 – IM Conferencing Service 5086 - Internal Mobility Service 5087 - External Mobility Service **Group Chat** Compliance









LEGEND















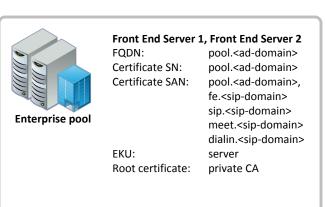
- Publish SRV for _sipfederationtls._tcp.<sip-domain>, that resolves to Access Edge FQDN, accesssrv.<sip-domain>.
- Publish SRV for _sip._tls.<sip-domain>, that resolves to Access Edge FQDN. This is required for federated and anonymous connections to Web conferences. • Publish SRV for _xmpp-server._tcp.<sip-domain>, that resolves to gateway NIC of the XMPP gateway.
- Publish CNAME for lyncdiscover.<sip-domain> that resolves to IP address of reverse proxy. HTTPS connection is proxied to internal pool's Web Service. • Publish A record for Meet Simple URL that resolves the URL to IP address of Director, if one is deployed, or pool.
- Publish A record for **Dial-In Simple URL** that resolves the URL to IP address of Director, if one is deployed, or pool.
- Publish A record for Conferencing Edge FQDN, conf.<sip-domain>, that resolves to Conferencing Edge public IP address.

DNS Configuration

• Publish CNAME or A record for **lyncdiscoverinternal.<sip-domain>** that resolves to IP address of Director, if one is deployed, or pool.

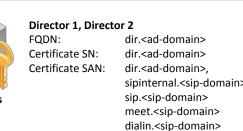
- Publish A record for Access Edge FQDN, accesssrv.<sip-domain> | sip.<sip-domain>, that resolves to Access Edge public IP address. • Publish A record for **A/V Edge FQDN**, av.<sip-domain>, that resolves to A/V Edge public IP address.
- Publish A record for internal pool to the reverse proxy FQDN, that resolves to public IP address of reverse proxy

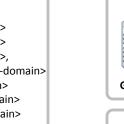
CERTIFICATE REQUIREMENTS



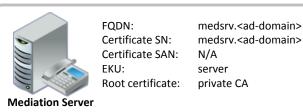












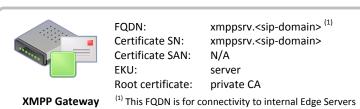


sba.<ad-domain> Certificate SN: sba.<ad-domain> Certificate SAN: sba.<ad-domain> Root certificate: private CA



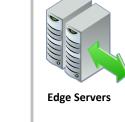
Certificate SN: umsrv.<ad-domain> Certificate SAN: N/A Root certificate: private CA

(2) This FQDN is for connectivity to external XMPP gateways



Certificate SN: xmppsrv.<sip-domain> Certificate SAN: Root certificate: private CA Root certificate: public CA

Exchange UM Server xmpp.<sip-domain> (2) Certificate SN: xmpp.<sip-domain> Certificate SAN: N/A



Internal FQDN: intsrv.<ad-domain> Certificate SN: intsrv.<ad-domain> Certificate SAN: EKU: Root certificate: private CA External FQDN: edge.<sip-domain>

Certificate SN: edge.<sip-domain> Certificate SAN: sip.<sip-domain>, conf.<sip-domain> *Required only for public EKU: server, client* IM connectivity with AOL Root certificate: public CA

Edge Server 1, Edge Server 2