Polycom UC Infrastructure

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Agenda

- Server Overview
  - CMA
  - DMA
  - RPRM
  - RPAD
  - RMX
  - RPWS
  - RPMS
- Solution Overview
  - Traditional RPP Solution
  - SoftRPP Solution
  - WebRTC solution

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CMA(Converged Management Application)

- Windows based
- H.323 GK
- Endpoint Provisionning
- Endpoint software upgrade
- Device management
- Conference Scheduling/Management
- End of Life in 2015

DMA(Distributed Media Application)

- Linux based
- SIP Server
- H.323 GK
- Dial Rule/Call Routing
- MCU Load Balance(VMR)
- Conference Management
- Signaling Gateway

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RPRM(RealPresence Resource Manager, XMA)

- Linux Based
- Endpoint Provisionning
- Endpoint software upgrade
- Device management
- Conference Scheduling/Management
- XMPP/LDAP Server

RPAD(RealPresence Access Director)

- Polycom SBC product
- Firewall Tranversal
- SIP/H.323/RTP/RTCP relay
- HTTPs reverse proxy
- XMPP/LDAP reverse proxy
- TURN/STUN server

RMX/RPCS

- Polycom MCU
- Support SIP/H.323/ISDN call
- Media gateway
- RMX2000/4000/1800/1500/VE
- RPCS800s

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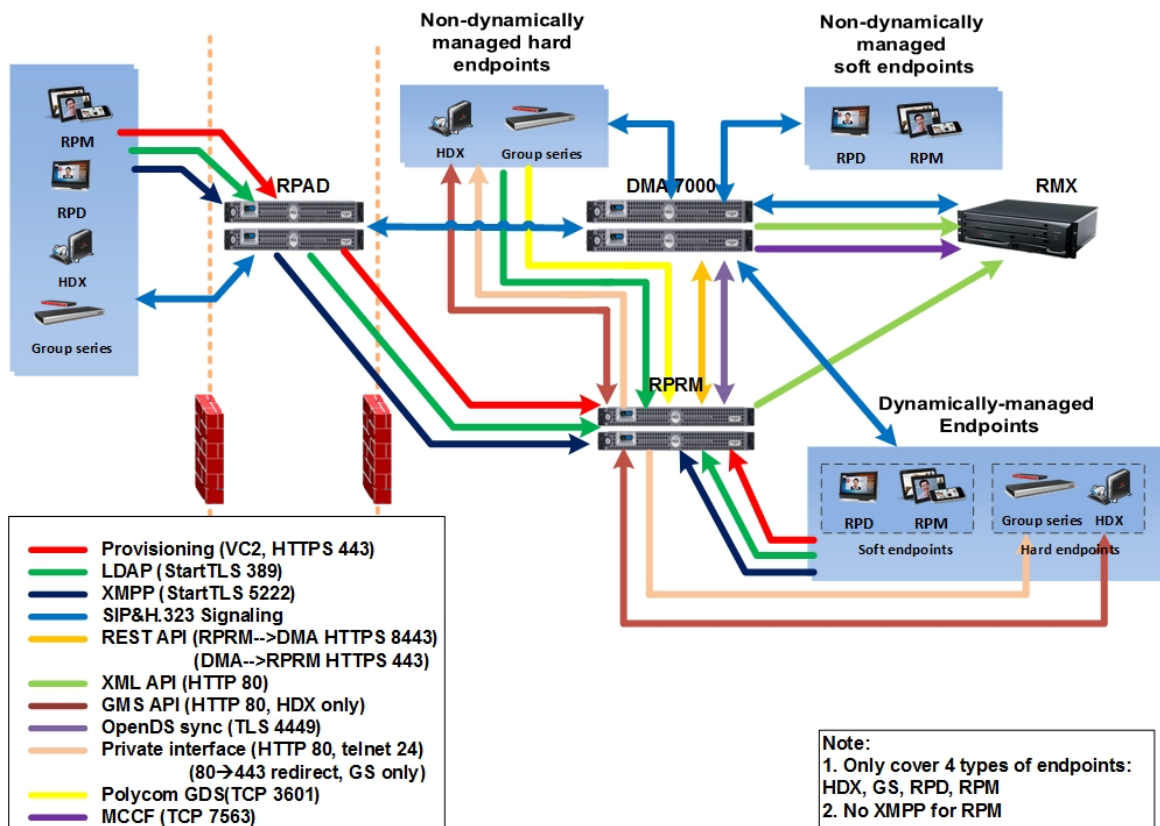# RPWS(RealPresence Web Suite, CloudAxis)

- WSP(Service Portal)
  - Conference Schedule and management
  - User Management
  - License Management
- MEA(Experience Portal)
  - Client plugin download
  - Client Authentication and Provisioning
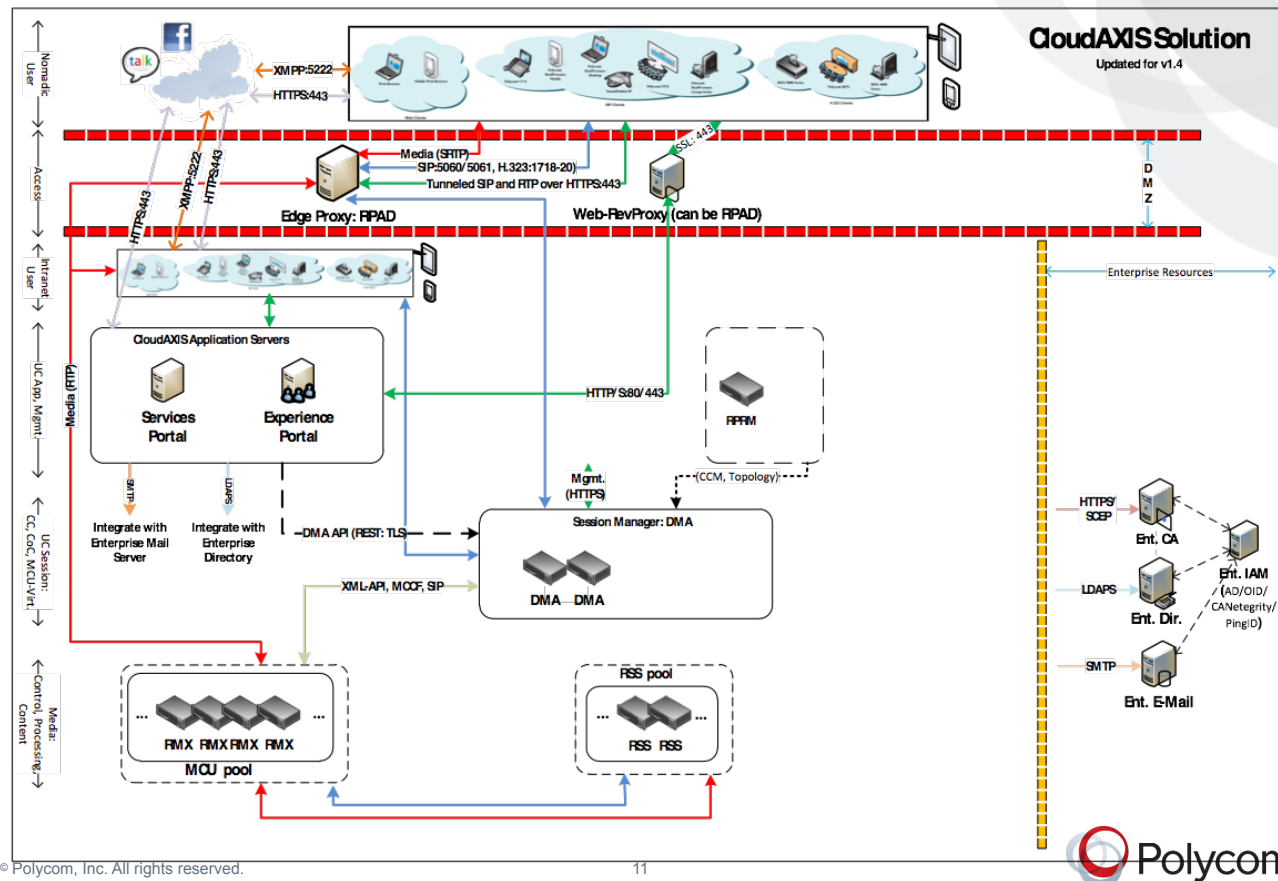 - HTML5 content server
  - Others

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RPMS(RealPresence Media Suite, RSS, Capture Server)

- Video Recording
- Video Transcoding/Live Streaming
- VoD/Streaming service
- RSS->Capture server->RPMS

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Traditional RPP Solution

Non-dynamically managed hard endpoints

Non-dynamically managed soft endpoints

RPM
RPD
HDX
Group series

RPAD

HDX Group series

DMA 7000

RPD RPM

RMX

RPRM

Dynamically-managed Endpoints

RPD RPM

Group series HDX

Soft endpoints

Hard endpoints

Legend:
- ▬ Provisioning (VC2, HTTPS 443)
- ▬ LDAP (StartTLS 389)
- ▬ XMPP (StartTLS 5222)
- ▬ SIP&H.323 Signaling
- ▬ REST API (RPRM-->DMA HTTPS 8443)
  (DMA-->RPRM HTTPS 443)
- ▬ XML API (HTTP 80)
- ▬ GMS API (HTTP 80, HDX only)
- ▬ OpenDS sync (TLS 4449)
- ▬ Private interface (HTTP 80, telnet 24)
  (80→443 redirect, GS only)
- ▬ Polycom GDS(TCP 3601)
- ▬ MCCF (TCP 7563)

Note:
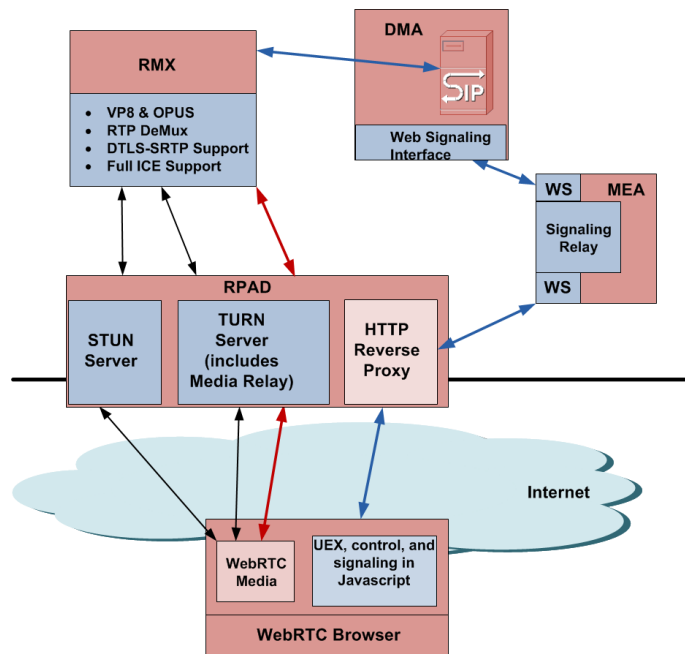1. Only cover 4 types of endpoints: HDX, GS, RPD, RPM
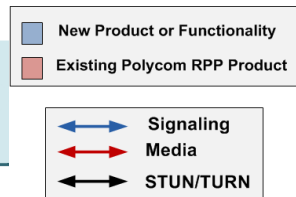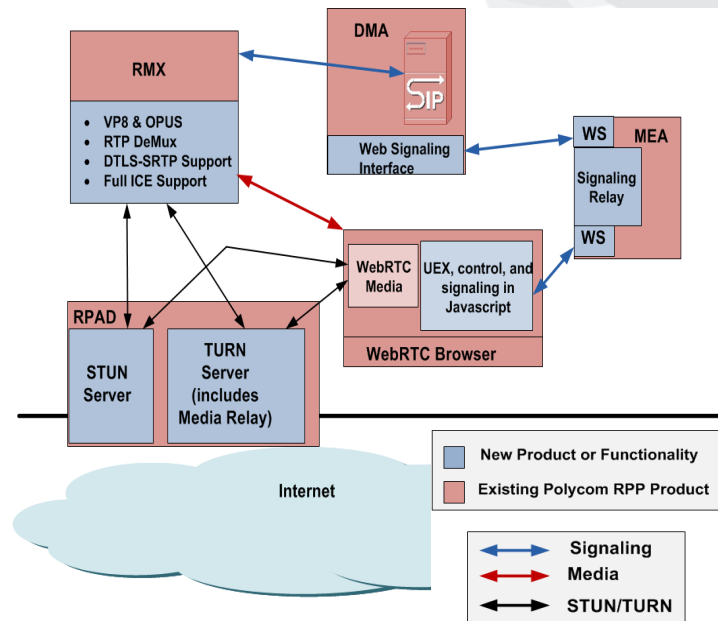2. No XMPP for RPM

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SoftRPP Solution

WebRTC Solution

External Clients

Internal Clients

Thank you

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