

# Geo-Cascading setup in DMA

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## Introduction

This document describes how to configure a DMA 7000 Network Topology to perform Geo Cascading for a large International Corporations. DMA Geo Cascading allows for RMXs to host conferences in their region and cascade the conference across WANs/MPLS clouds so that RMXs in other Sites Regions can host the same conference without Endpoints over utilizing Bandwidth by having to traverse WAN/MPLS networks.

## DMA Configuration

When configuring a DMA for geo-cascading the important thing to remember is: The Endpoint has to think that it needs to cross a Network Cloud to reach the RMX the Conf. is hosted on. When the DMA sees this condition met it creates the same Conf. on an RMX it can reach directly through a site/site link so the EP doesn't traverse a Cloud and creates a DMA Cascading Link between the RMXs. This example uses (2) RMXs, But Geo Cascading is not limited to (2) RMXs or (2) sites. You can configure a 3<sup>rd</sup> RMX to perform Geo-cascading as long as you follow the guidelines in this document

The following Components were used in this example

- DMA 7000 Super cluster
  - (4) nodes (2) nodes in Sunnyvale and (2) nodes in Bangalore
  - SW Ver. 5.2.0 Build 6
- RMX 2000
  - SW ver. 7.7.0.158.011
  - One RMX is located in Bangalore Site
  - One RMX is Located in Sunnyvale Site
- DMA Geographical locations
  - Territories
    - EMEA
    - NALA
  - Sites
    - NALA
      - Sunnyvale (RMX)
      - Boston
      - Philadelphia
    - EMEA
      - Bangalore (RMX)
      - Australia
      - Goa

- Network Clouds
  - MPLS CLOUD
    - Sites in the Cloud
      - Sunnyvale
      - Bangalore
- Site Links
  - Boston to Sunnyvale
  - Philadelphia to Sunnyvale
  - Australia to Bangalore
  - Goa to Bangalore
  - Bangalore to MPLS Cloud (Created by Network Cloud)
  - Sunnyvale to MPLS Cloud (Created by Network Cloud)

Here is a quick Drawing showing the Above Configuration

