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# Let's Design Together

SOLUTIONS ENGINEERING

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# Business Objectives

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- ACE Enterprise is transforming their cloud architecture from Cloud 1.0 to 2.0
- ACE Enterprise has global presence in three AWS regions (US, Europe & Asia) and two Azure regions (US & Asia) with a mix of mission critical and low priority applications in each region and requires multi-cloud connectivity along with connectivity to their respective on-prem DCs
  - Cloud 1.0 – Low priority apps in AWS (US & Europe) and Azure (Asia) regions
  - Cloud 2.0 – Mission critical applications are in all (AWS & Azure) regions
- Large number of remote offices using SD-WAN in Asia region needs to be connected to the cloud and would require communication with cloud app hosted in AWS US region

# Technical Requirements

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1. Low priority small footprint applications are in the process of migrating from Cloud 1.0 to NextGen Cloud 2.0 architecture
2. Require high visibility, Day 2 operations tools for mission critical applications
3. Each region must provide application inspection and egress using centralized Advance Threat Prevention Security Gateways (IDS/IPS/Firewalls)
4. Multi-Cloud connectivity is a must
5. Every region must be connected to its respective On-Prem DCs via private links and in case of private link failure all multi-cloud resources will reach the DC using other region's private link
6. Large number of SD-WAN remote offices (Asia Pacific) needs to be connected to the cloud and communicate with cloud app hosted in remote region
7. Cloud 2.0 must provide isolation and segmentation between customer facing and internal applications

# ACE Enterprise Regions

