

#### Foundation for the Next-Generation Internet: SP Data Center and IP-NGN

#### Simon Aspinall,

Sr. Director, Service Provider Marketing June 2010

## **Traffic Patterns are Changing Service Networks**



#### Result: Explosive Growth in Storage, Compute and Network

# Video, Mobile Data and Cloud to Dominate Growth; 2009–2014



#### Tomorrow's IP Traffic Mix Will Be Fundamentally Different

Source: Cisco Visual Networking Index—Forecast, 2009-2014

## **Growing Demand is Changing the Rules**



Virtualized Workloads In the Cloud Video Caching and Distribution IP App Store Traffic

## New Levels of Integration IP NGN > Data Center

## Unified Service Delivery Pathway to Cloud Services



#### **Next-Generation Internet** Multi-directional Networking



## Next-Generation Internet Attributes Multi-directional Networking



#### Scale + Service Intelligence + Savings

## CRS-3 = 3x CRS-1 Changing the Dynamic of Router Networks



Unmatched Scale 3x CRS-1 = CRS-3 = 322Tpps



Unique Service Attributes 2x Intelligence (SP DC + IP-NGN = USD)



Unprecedented Savings 1x CRS Family Protecting Investments

**Foundation for the Next-Generation Internet** 



## Intelligence Spanning Networks and DC/Clouds



#### **Network Positioning System (NPS)**

L3-L7 info for best path to data centers Improves Experiences, reduces costs



#### **Cloud VPNs for laas**

CRS + Nexus automate Inter-DC connections for UCS 'Pay-as-you-go' for compute, storage, network

#### **Tight Linkages Between DC/Cloud and Core**

## **Network Positioning System (NPS)**



#### Improves Experiences, Reduces Costs

## **Cloud VPNs for laaS**





#### 'Pay-as-you-go' for compute, storage, network

## Cisco Unified Service Delivery Competitive Leadership





##