Oracle Communications Cloud Delivery Solution is enabling today’s cloud service providers to offer virtual private cloud networks, virtual data centers, public cloud compute and platform services, unified communication and collaboration services, compute services, and platform services. There are four primary functional areas where Oracle products are making communications service providers (CSPs) and enterprise cloud providers successful in delivering cloud:

- Cloud Resources – data centers, virtual machines, operating systems, hardware, software, and storage components where Oracle provides best of breed technology
- Cloud Services – the three primary categories of cloud services being Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). Oracle provides core building blocks for cloud services via engineered systems, service delivery platforms that allow operators to expose their networks to third party developers as a PaaS, and provides software for messaging and collaboration to enable CSPs to develop a SaaS
- Access and Security – composed of identity management, portals, self-service capabilities, database security and security aspects at all levels of cloud
- Cloud Enablement – focused on cloud service creation, delivery, and monetization. This includes management of cloud assets at the resource management, services management, and business management layers. Often times this stack resides outside the cloud managing the cloud

Oracle Communications Cloud Delivery Solution (Figure 1) is designed to power today’s public clouds, providing comprehensive capabilities to create, manage, deliver and monetize differentiated complex cloud offerings. The solution also helps drive lower OPEX and reduces risk through engineered systems and solution integration. Comprised of engineered systems and applications pre-configured to support the cloud, the solution is deployed by many of the world’s most innovative service providers.

**Figure 1 – Oracle Communications Cloud Delivery Solution Functional View**
Oracle supports the NIST definition of cloud computing - on demand access to a shared pool of computing resources in a self-service, dynamically scaled and metered manner. Oracle Communication Cloud Delivery Solution is comprised of integrated hardware and software, designed to provide maximum flexibility for service providers looking to offer public and/or private cloud services. Oracle offers customers the ability to develop a full range of cloud services:

- **Infrastructure as a Service** – includes best in class data center resources, such as Oracle Sun servers, VM for Linux and Sparc, plus operating systems including Solaris 11, the first virtualized cloud operating system
- **Platform as a Service** – includes Oracle Exadata Database Machine for unparalleled OLTP application performance, Oracle Exalogic Elastic Cloud platform for high-bandwidth, low-latency cloud service requirements, Oracle Communications Services Gateway for platform/application exposure, and Oracle Communications Converged Application Server for service development.
- **Software as a Service** – includes Oracle Web Center for self service and Oracle Communications Unified Communications Suite for collaboration related applications

Critical to delivering cloud services is the Cloud Enablement software stack (seen on the right side of Figure 1), allowing operators to achieve fast offer design, full cross-channel order lifecycle visibility, dynamic order delivery across all types of cloud services and flexible billing and monetization capabilities. Cloud enablement is comprised of three functional areas that support the cloud services lifecycle:

- **Resource management** – software layer that support the IT/hardware layer of the cloud (typically the data center). Enterprise and hardware management functionality supports the resource layer through resource configuration, capacity planning, inventory and usage metering
- **Service management** – operational support layer that provides virtual assembly, ordering and order orchestration of bundled cloud and network services, service activation, inventory and related fulfillment functions for cloud and/or network based services
- **Business Management** – business support layer where cloud service providers develop commercial offers, design orchestration plans across all IT systems, and monetize services. This layer supports billing, rating, customer care and analytics.

The cloud enablement software is designed to work seamlessly in a service provider’s heterogeneous environment. It is a software stack designed to work together or to operate as independent components integrated with a cloud provider’s existing technology assets.

Service providers around the globe continue to focus on cloud as an opportunity to create new revenue streams to improve their position in the cloud ecosystem. Oracle Communications Cloud Delivery Solution is built to open industry standards on a highly available, real-time platform, and is functionally rich enough to deliver differentiated cloud services today, and flexible enough to support next generation cloud services of tomorrow.

**Contact Us**

For more information about Oracle Cloud Delivery Solution, please visit oracle.com or call +1.800.Oracle1 to speak to an Oracle representative.