

ORACLE COMMUNICATIONS CONVERGED APPLICATION SERVER (OCCAS) SERVICE CONTROLLER



Communications Service Providers (CSPs) have large investments in their legacy infrastructure – the same infrastructure that has failed to keep pace with service innovation in other domains, such as the Internet. Next generation networks hold the promise of meeting the service innovation challenge. However, wholesale network replacement is not feasible because networks do not easily interoperate with other networks and Intelligent Network (IN) capabilities are incompatible with newer IT systems.

KEY FEATURES

- Protocol mediation between a wide range of protocols: CAP, WIN, AIN, INAP, SIP, Web Services, and others
- Stateful network adaptors with timers and error handling support standard and non-standard components
- Full range of prebuilt SS7, IP signaling, and Web Services modules
- Service templates for communications services built on Oracle Communications Converged Application Server (OCCAS)
- Scalable clustered architecture that delivers high performance, low latency, and high availability

OCCAS Service Controller

The OCCAS Service Controller directly addresses and resolves these issues by supporting an open architecture that makes it easy to integrate with new technologies and networks. The product is a service broker that provides real time service orchestration and mediation capabilities. With a versatile orchestration engine and portfolio of interfaces, the product dramatically reduces the amount of time and risk associated with migrating from legacy platforms. It enables CSPs to launch innovative new services that blend legacy and IP networks with the IT domain.

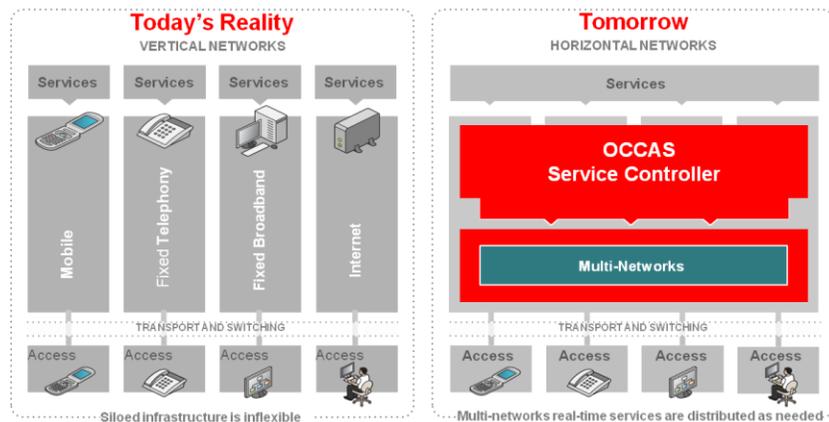


Figure 1. Transitioning from Today's Networks to Tomorrow's

KEY BENEFITS

- Network applications leverage a unified interface to multiple networks
- Multiple applications are orchestrated and delivered to any session
- Mitigates service interruption caused by applications
- Service logic is orchestrated in a specific application sequence based on network protocols
- New revenue generating services can be created that seamlessly blend IT features with core network capabilities
- Migrate from legacy networks to next generation networks
- Rapid service delivery through flexible service and network composition
- Complexities of IN/SS7 networks are hidden and abstracted
- Integration barriers are greatly reduced
- Existing service and charging platforms can be consolidated, unifying service delivery across different networks lowering operating and capital costs

RELATED PRODUCTS

- Oracle Communications Converged Application Server
- Oracle Communications WebRTC Session Controller

Network interoperability

Service delivery infrastructures and networks are locked into technology silos that make it difficult to innovate. OCCAS Service Controller allows the decoupling of services from network infrastructure, enabling services and networks to progress independently.

With the OCCAS Service Controller, any network integrates with any other network or new technologies. With a full suite of SS7 interfaces, the product translates any IN protocol into any other protocol, such as IP. IMS assets and IN assets are brought together through the orchestration engine to build cross-domain services.

Networks once thought incompatible are readily integrated through the OCCAS Service Controller. The product separates the network from the service, providing interoperability from any service to any network. In addition, the OCCAS Service Controller provides rapid, efficient and secure integration between wireless and wireline networks.

Clear network and service migration path

OCCAS Service Controller orchestration brings structure and order to complex networks and provides a reliable service path forward. Any services or any networks can be connected to the product to create a unified service delivery infrastructure. Rapid, intuitive integration of non-standard protocols to core network services through mediation and orchestration dramatically reduces cost and time to market. The product's high availability can be inherited by non-carrier-grade components, bringing high availability to the overall solution.

Rich service experience draws more customers

OCCAS Service Controller translates and mediates between IP based application servers and legacy networks. It connects core network services to the Internet domain, as well as Internet services to the core network. The Service Controller enables the interworking of all network and service assets, creating a rich environment for service innovation. By incorporating IT style application servers, CSPs have the ability to create services at Internet speed.

Legacy SCP Replacement

On a daily basis, CSPs are faced with a growing list of IN products that are being end-of-lifed, while still needing to protect the investment in their IN network. Combining the OCCAS Service Controller with the Oracle Communications Converged Application Server brings a rich Java-based execution environment to the IN network while simultaneously supporting the new IP network. IN application development is simplified by service templates included with the OCCAS Service Controller. These service templates execute on the Oracle Communications Applications Server allowing the application developer to focus on differentiating aspects of their application while relying on the service templates to simplify the complex telecom call control and transaction control protocol interactions.



CONTACT US

For more information about OCCAS Service Controller, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

CONNECT WITH US



Hardware and Software, Engineered to Work Together

Copyright © 2014, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group. 11072014

