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# Cloud Native 5G Core Implementation

## Oracle Customer Solutions for Industries - Communications

The 5G Core brings exciting new possibilities for communication services providers, agility, efficiency, resiliency, faster iterations, deployment options, and decreased downtime for greater profitability. But 5G also presents some challenge and introduces number of innovative and disruptive networking paradigms, many of which have not been applied to mobile networks in the past. Operators will need the right partner to address these challenges to enable them in building a robust and scalable core. Oracle has developed best practices for deploying, scaling, managing, upgrading and migrating to Oracle Communications Cloud Native 5G Core solution. The Oracle Solutions for Industries Communications division embraces these methodologies and leverages decades of experience in 3G and 4G core network solutions. Their deep expertise in Cloud native environments help service providers navigate the challenges of the new 5G core SBA architecture and cost effectively evolve their core network to 5G.

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Communications

# Service Overview

Oracle Solutions for Industries - Communications for Cloud Native 5G Core Implementation services are delivered by Oracle communications consultants according to best practices developed and documented by Oracle based on expertise gained from the implementation of Oracle Communications Cloud Native 5G Core solution worldwide for service providers. With the Oracle Solutions for Industries - Communications for 5G Core Implementation services, customers work directly with a consultant to develop a comprehensive statement of work (SOW) to ensure that the 5G Routing, Signaling and Database NFs along with HTTP/2 Monitoring and CNE are deployed, tested and delivered to the customer in a timely and complete manner. Implementation Services are customized for the unique needs of our customers, utilizing evolving best practices for service delivery.

## Service Details

OCC will deliver the following services for implementation of Oracle Cloud Native 5G Core Solution:

- Define and create project management plan and procedures for the services
- Conduct technical workshops to gather technical and testing requirements, define high level environment and deployment design, network architecture, testing and migration strategy
- Develop the custom configuration for the Oracle Communications Cloud Native 5G Core solution components
- Produce technical documentation such as system architecture and engineering document (SAED), statement of procedure (SOP), operational test plan (OTP)
- Perform deployment, configuration, integration and testing of the Oracle Communications Cloud Native 5G Core solution components
- Perform the migration of subscribers and live traffic onto Oracle Communications Cloud Native 5G Core solution
- Monitor and review the Oracle Communications Cloud Native 5G Core solution components measurements and generated events to identify residual issues
- Conduct problem troubleshooting and root cause analysis, take corrective actions and make further recommendations

The service is delivered by working cooperatively with the customer's technical team throughout the entire process. OCC for Cloud Native 5G Core Implementation service relies on proven methods and processes, allowing customers to achieve desired outcomes while avoiding problems and unforeseen complications. Customers can rely on repeatable policies and procedures based on worldwide Oracle Communications products and solutions deployments.

**Highlights:**

- Project Management Plan
- Technical Workshop for analysis and design
- Technical Documentation
- Deployment, configuration, testing and integration
- Migration and Go-Live
- Monitor, troubleshoot and resolve

**Key Benefits:**



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- Unmatched product knowledge and industry experience significantly speeds-up service delivery time.
- Proven track record of implementation Oracle Cloud Native 5G Core reduce risks
- Value achieved at a lower total cost

**Related Products:**

- Oracle Communications Cloud Native Core, Service Communication Proxy (SCP)
- Oracle Communications Cloud Native Core, Network Repository Function (NRF)
- Oracle Communications Cloud Native Core, Unified Data Repository/ Unstructured Data Storage Function (UDR /UDSF)
- Oracle Communications Cloud Native Core Policy Control Function (PCF)
- Oracle Communications Cloud Native Core, Binding Support Function (BSF)
- Oracle Communications Cloud Native Core, Network Exposure Function (NEF)
- Oracle Communication Cloud Native Core, Security Edge Protection Proxy (SEPP)

# Trust the Experts

With over 500 Consultants worldwide with extensive knowledge and experience in communications networks, there is no better choice when it comes to choosing a trusted and valued partner to power your 5G network.

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