ORACLE
Construction and
Engineering

Secure Cloud Applications for Government Construction and Engineering Programmes

Oracle Construction and Engineering applications in a dedicated, secure UK realm provides the high compliance cybersecurity required by government organisations and their project delivery partners.

As a global leader of secure industry-specific SaaS applications and cloud infrastructure, we understand the constantly changing information security landscape. There is a real and constant threat of adversaries launching cyberattacks that could interrupt progress, disrupt the supply chain and commerce, impact energy distribution, and delay critical infrastructure projects. Oracle Construction and Engineering is helping our customers protect official sensitive data and now offers Oracle Primavera P6 and Primavera Unifier in an Oracle Cloud Infrastructure (OCI) government secure realm in the UK. The additional security controls and sovereignty capabilities mean compliance of cybersecurity requirements for government agencies and their contractors on your mission critical applications.

The security controls include but are not limited to:

- All system administration and deployment carried out by SC cleared UK nationals on UK soil only
- Identity and access management and secure user management controls
- Two-factor authentication which is enforced for all users of the service
- Password complexity requirements
- Security governance framework which coordinates and directs its management of the service and information
- End-to-end encryption

Nearly every industry has been affected by ransomware attacks and phishing schemes that have caused disruptions or data breaches. Government projects and programmes involve multiple internal and external organisations, with reams of documents and thousands of communication interactions.

Oracle Construction and Engineering applications in this government secure realm meet strict cybersecurity requirements of Cyber Essentials Plus, National Cyber Security Centre (NCSC) cloud security principles, Defence Assurance Risk Tool (DART), and help government agencies and their delivery partners protect the data and maintain programme momentum.

Key facts:

- Administration and deployment of cloud services is conducted by UK citizens with Security Check (SC) clearance.

- The UK Government Cloud is physically isolated from our public cloud regions deployed on UK soil.

- Oracle applications adhere to ISO/IEC-27001 information security.

- Uploads/downloads and data are encrypted via 128-bit SSL.

- Identity and access management, two-factor authentication, and password complexity requirements are supported.

- A virtual private network (VPN) adds security, hides the user's actual public IP address, and "tunnels" traffic between the user's device and the remote server.

Primavera P6 features include:

- Planning, scheduling, and the ability to control large-scale programmes and individual projects
- Secure multiuser access to schedules
- Ability to open and schedule multiple projects simultaneously
- Role and resource optimisation to keep projects on track
- Demand and capacity planning
- Scenarios with what-if analysis
- Graphical analysis of resource and role utilisation

Primavera Unifier features include:

- End-to-end encryption
- Full native integration with P6 in the same secure environment
- Cost controls including forecasting, cash flow, and funding management
- NEC4 contract standards configuration
- Advanced document management with redline and markup
- Form-based workflows that enable intelligent approval cycles
- Mobile application for task management
- Audits, insights, and automated reporting

Compliance with global security frameworks

- All Oracle services must meet stringent internal security requirements. The Corporate Security Solution Assurance Process (CSSAP) is designed to ensure that all Oracle services meet Oracle security standards.

- ISO/IEC-27001: Oracle applications operate and are certified to this information security regime.

- Integration of Oracle's Primavera P6 Enterprise Project Portfolio Management application with Oracle's Primavera Unifier enables reporting that demonstrates NDIA EIA 748-B compliance.

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