



Large-scale deployment of Azure resources in a secure environment

Client
Department of Defence

Scope of work
Cloud Services

Industry
Federal Government

Headquarters
Canberra, ACT

Size
85,000 users

The Department of Defence required protected cloud infrastructure to host its new SAP-based Enterprise Resource Planning (ERP) solution. The new ERP is expected to support about 85,000 users in Australia and overseas, showing its commitment to digital transformation.



Overview

To support IBM deliver a modern ERP project for the Department of Defence, Atturra Cloud & Applications delivered the Azure computing platform for SAP.

Starting in July 2019, Atturra collaborated with members of Defence and IBM to provide Azure infrastructure designed specifically for SAP. Defence was able to securely connect their Protected Network to Azure AU Central, which now hosts SAP/4HANA to develop and deploy the new ERP.

The ERP is expected to modernise Defence’s management of finances, logistics, HR, engineering, maintenance and property, and should help rationalise up to 500 systems across Defence.

Fast Facts

- Automation of SAP/4HANA systems onto Azure IaaS infrastructure, using Ansible, Azure DevOps and Git Enterprise.
- Liaison with Defence security teams to ensure Azure services were accredited for deployment and usage.
- Azure Security Centre to collect and analyse all security-related logs, as well as Recovery Services Vault to manage disaster recovery.

Problem

- IBM is developing a modern single ERP system to give Defence a near real-time view of critical information. It is expected to streamline and integrate data to better inform decision-making.
- The system needed to be secure and accessible.
- Azure was selected as the underlying platform for the ERP transformation, enabling scale, new functionality, security, and to meet accreditation requirements.



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“The Department of Defence is a significant user of Microsoft Office 365 and Dynamics 365 clouds. We are very proud to have been selected to provide the cloud foundations for this nationally important transformation that will provide a near real-time view of critical information across Defence to better inform decision making.”

*Steven Worrall,
Managing Director Microsoft Australia (excerpt from news article)*

Solution

- Azure infrastructure needed to be designed specifically for SAP in an automated way, enabling the SAP team to create and test in production environments for rapid SAP configurations.
- Atturra Cloud & Applications used a variety of Azure tools and worked with key business areas and the Architecture Branch to approve and deploy services efficiently in tight timeframes.

Outcomes achieved

- The Atturra team went from design through to deployment smoothly, without missing a single deployment deadline. Using SAP/4HANA and trusted cloud capabilities, the Defence ERP will support the resilience, security and performance required now and into the future.
- Atturra Cloud & Applications continues to support and sustain the established environments for the Department of Defence.

Technologies

Microsoft Technologies used:

- Azure DevOps
- Azure Monitor
- Recovery Services Vault
- SAP clustering of HANA and SAP Apps
- Azure Backup
- Azure Defender
- Azure Sentinel



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