

# A Govt Dept of Australia

Organization is a governing body for professional and community cricket in Australia.

## Business Objectives

- Manage and support digital Assets like match score board, match video etc. for international cricket.
- Support grassroots digital transformation journey as a technology partner.
- Migration from Azure classic dot net monolith legacy platform to Azure PaaS
- Flexibility of integration - For ease of integration with other systems (SAP, CDC etc) APIs are required.
- Allow end users to watch community matches online, share and comment.

## Business Challenges

- Users were not able to see community matches online
- Fractured experience because of multiple integration touch points and stakeholders (such as Clubs, Associations, Players, Volunteers, Umpires, Coaches, Fans).
- Legacy User and API Interfaces.
- Poor performance and security loopholes

## Technology Spread

- ASP.Net, .Net, SQL Server, Azure Cosmos DB, Various Azure PaaS components and Security Artifacts, Azure DevOps, SAP CDC (B2C Auth), Next JS, Kubernetes

## HCLTech Solution

Keeping in mind customer's need of a seamless experience across different touchpoints, HCLTech created user journey maps for different personas.

HCLTech architected a modern application that uses APIs to interact with other systems. This was achieved with the help of Azure PaaS services and NoSQL Databases. The system was developed using scrum based agile software development methodology with a single squad of 7 people.

The transformation from legacy system to new system was done to make user and API interface and experience better. Microservices was used for better scalability and reliability.

Data analytics and Machine Learning is used for end users to enable them to keep track of all the important events of matches.

## Lessons Learnt

- Implementation of Sonar Cloud. It created a lot of problem initially because of customer's Org policies. Plan for and implement security tools considering Org policies from the beginning of the project.
- Implementing KPI for Microservices performance. Performance benchmarking should have been done from the beginning of the project.

## Client Benefits

- **Faster rollout** to production (Weekly release)
  - ~5 Apps every week including micro services, mobile apps and platform improvements
- **Increased adoption** and user participation of the application by accommodating onboarding of increased no of users to measure success of the project.
- Integrated view of community scores with live stream services for **enhanced user experience**
- **Zero downtime** in the International matches.
- **Integrated monitoring solution** using Azure monitor and custom-built components to manage business activities for international matches and automation for managing incidents.
- **Agile-based delivery** with fully integrated DevOps using Azure DevOps and JIRA
- SAP CDC integration with various Web assets to improve the security posture for customer, comprising internal users, Clubs, Associations, Players, Volunteers, Umpires, Coaches, Fans