Data, Automation & Interoperability

Techniques that Deliver Actual Business Benefits
Agenda:

- Novigi Introduction
- The Why
- Key Concepts
- Aged Care Blueprint
- Case Study
Novigi Introduction
Novigi is Innovation

Novigi translates as "Innovate" in Esperanto and means:

“To make changes in something established, especially by introducing new methods, ideas, or products”

We can't think of a better way to describe ourselves than that!
What do we do?

At our core, we are process and technology change management experts.

We specialise in helping our clients improve core business functions.

We work closely with our clients to analyse data, develop strategy, design solutions, develop plans and manage projects in order to implement change.
Growing Team

Ashley Priest  
Managing Partner

Joash Belousoff  
Head of Client Services

Melissa Fuller  
Head of Business Services

Terry Donnelly  
Head of Technical Services
Why invest in Data, Automation & Interoperability?
There are 3 core benefits:

- Efficiency
- Insight
- Digitisation
Key Concepts & some buzz words explained
Organisations need to interpret their business model in terms of the various data entities that exist in the ecosystem.

Thinking like this removes dependence on individual software applications and frees the organisation to properly leverage its data assets.
Best of Breed

Organisations should leverage all the benefits of a “best of breed” approach including:

- Rapid Implementation
- Rich Feature Compatibility
- Leverages Industry Best Practice
- Promotes Business Flexibility
- Reduces Risk
Loose Coupling

Loose coupling between the various applications in the ecosystem is made possible by the implementation of an ESB based Enterprise Integration platform. This platform centralises and standardises Integration methodology. The core benefit is that it enables flexibility when adding and removing applications as well as dramatically reducing the complexity of integration support and management.

Point to Point Architecture:
The other common integration approach is point to point integration whereby each application in the ecosystem is “hardwired” to all others. This model provides considerably less flexibility when changing applications and dramatically increases the complexity of ongoing support and management.
Think of APIs as the method via which various parties interact without human intervention.

The government is systematically migrating its service interfaces to API based models.

It’s very important that organisations of all sizes have a plan for how they will extend their reach beyond their existing resources by building an ecosystem of partners to leverage the opportunities of the digital economy.
In very simple terms, Machine Learning (ML) is a computer analysing data looking for patterns related to specific features.

Getting to the point where ML is possible requires the implementation of a number of foundation steps.

Once enabled, high value insight can be generated on an ongoing basis.
Aged Care Blueprint
Aged Care Ecosystem Blueprint

Business Systems
- Clinical Registry
- CRM
- Human Resources
- General Ledger
- Procurement
- Payroll
- Maintenance
- Catering
- CMS & Web

Enterprise Integration Suite

APIs

3rd Parties
(Customers, Partners, Suppliers, Government etc)

Data Warehouse

BI, Data, Analytics & ML
Implentation Roadmap

Phase 1 - Establishment

Enterprise Data Modelling → Installation & Configuration

Phase 2 - Implementation

Efficiency

Process Improvement → Process Improvement → Process Improvement

Insights

Dashboarding → Self Service → Stats & Predictive → Machine Learning

Digitisation

Function (i.e. Customer Self Service) → Function (i.e. Staff Mobility) → Function (i.e. Partner Co-operation)
IRT are into the benefits phase!

Efficiency
- Timesheet & Payroll Automation
- Centralised Rostering
- CDC Service & Goods Procurement Automation
- Incident Management
- Billing, Statements & Letters Optimisation

Insight
- Reporting Automation from Operational through to Board Levels
- ACFI Funding & Care Plan Optimisation
- Staffing Ratios and Roster Optimisation
- Patient Deterioration Modelling

Digitisation
Roadmap Includes:
- Improvements in Customer Self Service
- Government Interaction Optimisation
- Industry Benchmarking Enhancements
- Staff mobility and clinical data capture