

Microsoft Azure Implementation Services

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Summary Details

Requirement:

Azure Implementation Services

Service Overview

Camwood offer a migration and implementation service for clients intending to move workloads to Azure.

Camwood provide a service to migrate physical and virtual workloads emphasising on a complete understanding of the application aspects to ensure that the workload is configured and automated beyond the traditional IAAS and PAAS offerings.

Camwood's service is positioned to migrate any workload from an existing Microsoft Windows environment where the workload can be migrated by a variety of options:

- Physical to Virtual
- Virtual to Virtual
- Fresh Install

Camwood's experience of focussing on the application aspect enables Camwood to offer services where a more complex installation is required. Camwood are also in a position to fully identify and automate the application layer to ensure a consistent and 'right-first-time' approach to identifying, testing and deploying workloads.

Approach

Camwood follow a traditional project lifecycle in order to migrate the workloads.

Governance and Programme Mobilisation

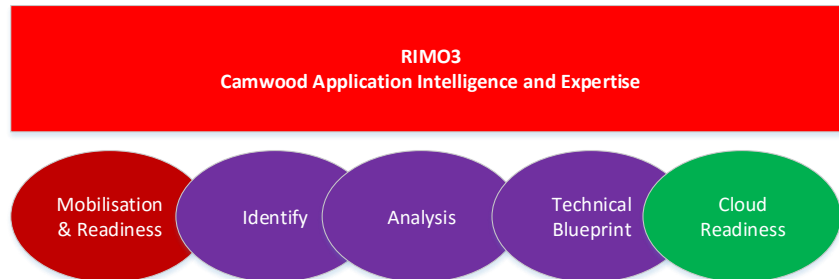
Camwood establish standard project and programme controls based on the use of PRINCEII methodologies. This includes aspects including:

- Service scope
- Clients design requirements
- Target service and operating models
- Target Operating System configuration
- Test, development and production environments
- Implementation planning
- Handover of service to Business As Usual
- Critical Success Factors
- Cultural and Environmental considerations of cloud migration
- Risk management
- Rimo3 Configuration

Identification and Suitability

Camwood provide a service that will first identify the workloads and their suitability for transition or transformation onto Azure.

The full readiness service is described in the *Camwood Service Definition – Cloud Healthcheck* services which is also on GLOUD8, the following is an overview of the service in context of the Azure Implementation Service.



This aspect of the service profiles and prioritises the server workloads that can be migrated by assigning a complexity rating and cloud readiness rating on a per server / per application basis. This rating is dependent on factors including:

- Application, User and Server Interdependencies
- Compliance – Security, Support and Licensing
- Feasibility
- Operating System
- Technical viability

The data is presented in an easy to consume interrogative reporting system, where workloads can be definitively approved as ready for cloud transition or requiring transformation activities. These transformation activities identify desktop or server application aspects that can include:

- Suitable for P2V or V2V Conversion
- Application and/or operating system is suitable for transition on current version
- Application and/or operating system requires an update to current version
- Application and/or operating system requires a new version
- Application requires re-factoring / re-write
- Application is unsuitable for desired cloud deployment

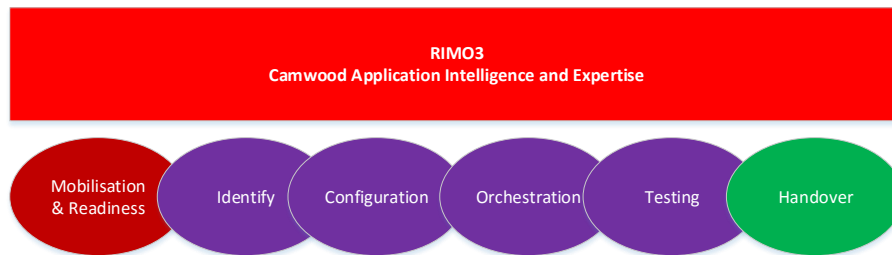
Each of the transformation activities are documented and passed to the programme team for discussion. The data is stored in the Camwood Rimo3 system (*refer to page 7 of this service description*)

Where feasible, Camwood are positioned to create specific server configuration scripts and run-books to automate the placement of the application on the target Azure workload.

Workloads that are suitable for implementation on Azure will the process through the Camwood Application Configuration, Engineering and Management services.

Application Configuration, Engineering and Management services (ACEMS)

The full ACEMS is described in the *Camwood Service Definition – ACEMS* document which is also on GLOUD8, the following is an overview of the service in context of the Azure Implementation Service.



Camwood are able to provide a service that covers all aspects of preparing an application / business process / service set for Cloud Based Delivery. These delivery mechanisms are not cloud specific and are suitable for Private, Hybrid and Public Cloud consumption.

The service dovetails into the ‘Identification and Suitability’ service where the server workload is contained in one of the following categories.

- Application and/or operating system is suitable for transition on current version
- Application and/or operating system requires an update to current version
- Application and/or operating system requires a new version

Based on the above categories, Camwood will process the application through the configuration, orchestration and testing phases to create an application run-book for automated delivery onto Azure IAAS. Testing will include the creating of ‘before’ and ‘after’ baselines to ensure that the target operating model meets the appropriate Critical Success Factors for performance discussed during Governance.

This testing will be based on taking the client’s target operating system configuration and applying it to a cloud instance and ensuring that the application works effectively.

The expectation is that User Acceptance Testing will be performed by the client.

Azure Implementation

Camwood will undertake to deploy the workloads in accordance with the client’s requirements onto Pilot and Production environments in accordance with the client’s wishes. This should be considered as a phased delivery but can also be considered as a big-bang approach. This phase is discussed during the Governance and Mobilisation phase where the exact requirements of the implementation will be agreed.

Azure Management and Handover

Camwood will provide a complete structured handover to the support personnel. The expectation is that during the entire project / programme that client personnel will be active team members.

It is recommended that the Best Practices offered that provide a full and complete understanding of the application estate is maintained through the use of the Camwood Rimo3 service.

Rimo3 Service Description

In order to move to a Cloud based delivery model or maintain a full inventory and understanding of their current IT infrastructure; it is essential that the client has a detailed understanding of the applications, compute, network and storage requirements. In Camwood's experience, the identification and collation of data relating to devices, users, applications, servers and cloud services is commonly ad-hoc and unstructured. The repository for this information is usually:

- Out of date
- Incomplete
- Incorrect
- Unstructured
- Not capable of effective interrogation

As a result of this, an un-necessary large and complex programme of work is initiated every time a business change is required to fully understand the dependencies and risk of modernising a business process, platform, undertaking a transition or transformation.

Camwood offer a service that is in effect a 'Super-CMDB' that can store and integrate with existing systems. This system enables clients to safely undertake business change safe in the knowledge that the data is:

- Real-time
- Only source of the truth
- Complete knowledge of every server, application, user and device
- Is extensible and can integrate with existing services
- Fully customisable reporting
- Enables organisations to make a decision and start their transition or transformation programme.

This service is a fundamental building block for any clients considering a move to the cloud or keeping control of their IT infrastructure.

The service is customisable and is able to link into third party solutions. Due to the nature of the system and it's adaptability, the following is a simple example of a service:

Rimo3 provides a single pane of glass for an organisation to:

- Map the Business Processes to
 - Users
 - Desktop Applications
 - Server Applications
 - Physical and Virtual Hardware
- Each User / Application / Hardware has detail pertaining to

- Compliance Status
 - Licensing
 - Security
- End-Of-Life and Support Status
- Count of applications deployed
- Count of applications used / un-used
- System Performance statistics
- Dependency Map
- Manage a workflow for application and server based on their current state within a transition / transformation state
 - Identify Stage
 - Configuration Stage
 - Testing Stage
 - Deployment Stage

Common Interfaces

Camwood has a set of pre-set common interfaces with a number of products including (but not limited to)

- Lakeside
- Microsoft
- Scalable

An uploader into Rimo3 is available for any system as well as customisable consumptions based API. For orchestration purposes, Camwood can trigger automation workloads but is a customised task on a per client basis.

Hosting Requirements

Rimo3 is built and configured upon standard Microsoft technologies

The Rimo3 software is a fully resilient architecture where Camwood offer a variety of hosting options:

- Hosted in Camwood Datacenter
- Hosted on any cloud infrastructure
- Hybrid capable for secure storage of data