



Azure: Application Readiness

You want to move your applications and workloads into Azure, however you are unsure which ones can be moved straight away and which ones will need more work to make them perform in their new environment.

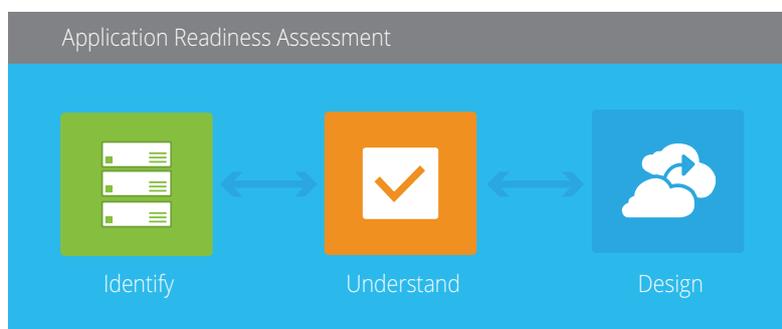
Applications will have to be treated differently according to how old they are, how they were coded and if they are supported or unsupported etc. It is more than likely that you will not be able to migrate some of them directly into Azure. Therefore understanding the best option for each application is the key to ensuring you have a successful migration plan.

Our Azure Application Readiness Service is a tried and tested process that discovers all the applications in your existing environment and proposes the best approach to remediate them.

The Approach

SystemsUp works with you to identify all the candidate applications and perform a discovery in order to:

- Identify each service and its business owner
- Understand and map service dependencies and interactions
- Provide design options to determine candidate architecture along with any additional software elements required for each application



Each application is categorised according to the required work/expenditure versus its life-cycle position. A decision will be taken to invest in transforming apps where the lifecycle and business criticality makes sense - i.e. a highly available platform for critical apps, versus low investment for applications that will be retired or replaced.



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To support the decision-making process, SystemsUp follows the industry standard Gartner “Five Rs” approach:

1. Rehost - re-deploy applications to a different hardware environment and change their infrastructure configuration. Rehosting an application without making changes to its architecture can provide a fast cloud migration solution.

2. Refactor - run applications on a cloud provider’s infrastructure. The primary advantage is blending familiarity with innovation as “backward-compatible” Platform as a Service (PaaS) means developers can re-use languages, frameworks, and containers they have invested in, thus leveraging code the organisation considers strategic.

3. Revise - modify or extend the existing code base to support legacy modernisation requirements, then use rehost or refactor options to deploy to cloud. This option allows organisations to optimise the application to leverage the cloud characteristics of the provider's infrastructure.

4. Rebuild - Rebuild the solution on PaaS, discard the code for an existing application and re-architect the application. Although rebuilding requires losing the familiarity of existing code and frameworks, the advantage of rebuilding an application is access to innovative features in the provider's platform.

5. Replace - discard an existing application (or set of applications) and use commercial software delivered as a service. This option avoids investment in mobilising a development team when requirements for a business function change quickly.

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The output of this process is a detailed report showing the required course of action for each application (the “Application Passport”). This service does not include the actual transformation of each application.

Our experience will ensure success

If you want to minimise the risk involved in complex Azure migrations talk to our experts. They have successfully migrated more than 100 companies to the cloud.

About SystemsUp

Systemsup is a highly regarded professional services company and delivers outstanding cloud consultancy services with consistent year-on-year growth through the success of our clients.

SystemsUp delivers successful cloud transformation engagements in the public and private sectors.

Our clients range from high profile government departments, FTSE 100 and global blue chip companies, to smaller specialist organisations and application vendors across all markets.