



Application Migration Checklist

Checklist for planning an application migration project for legacy apps.



Your App. New. Again.



The Planning Process

1. >>>  >>> Framing Discussion and Project Definition with stakeholders
2. >>>  >>> Initial code assets inventory
3. >>>  >>> Information gathering and risk assessment
4. >>>  >>> Business, technical, user requirements
5. >>>  >>> Current and future architecture design
6. >>>  >>> Inventory systems components
7. >>>  >>> Inventory network and database
8. >>>  >>> User interface requirements
9. >>>  >>> Test cases
10. >>>  >>> Detailed migration analysis and risk mitigation
11. >>>  >>> Wrap up and results
12. >>>  >>> Migration Blueprint

Daily checkpoint



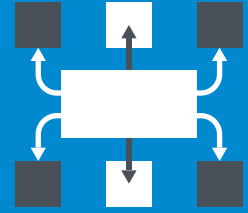
Framing Discussion and Project



- ☐ Introduce migration team and migration methodology
- ☐ Outline scope of the project
- ☐ Expectations and scope of project
- ☐ Assess the effort required
- ☐ Roles and responsibilities
- ☐ Review goals for migration
- ☐ Outline process and points of contact



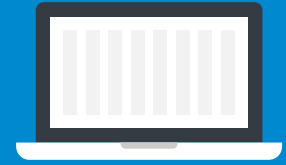
Understanding the Environment



- ☐ IT infrastructure
- ☐ Process analysis (roles, projects, QA process, configuration)
- ☐ Hardware & platforms
- ☐ Software (dev environment, third party software & components, OS)
- ☐ Application development process and environment
- ☐ Application maintenance
- ☐ Application business use cases
- ☐ Network performance, bottlenecks, threats, communication schemas, protocols, intranet/extranet/vpn
- ☐ System components, batch processes
- ☐ User interface requirements



Application Functionality



☐ Detailed view of application to be migrated

- ☐ General application description
- ☐ Application functionality
- ☐ Application flow
- ☐ Interfaces and dependencies with other systems
- ☐ Use cases

☐ Approach

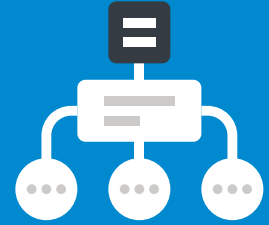
- ☐ Source code analysis
- ☐ Potential automation opportunities
- ☐ Size metrics
 - ☐ Lines of code
 - ☐ Number of statements
 - ☐ Number of components
 - ☐ Number of comment lines
 - ☐ Size of each element

☐ Usage metrics

- ☐ Frequency of use of each statement
- ☐ Frequency of use of types
- ☐ Frequency of use of each function
- ☐ Frequency of use of each data file, data field, source file



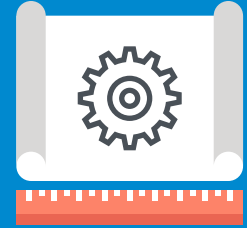
Architecture Deep Dive



- ☐ Security profile, restrictions, procedures, policies
- ☐ Development environment, dev tools, versions, control processes
- ☐ Database environment, direct storage, formatted files, web services
- ☐ Servers, manufacturer, OS
- ☐ Deployment process, tools, requirements, limitations, concerns
- ☐ Operations, usage requirements, constraints
- ☐ Manuals, user and technical manuals, software, network, db designs, configuration, source code



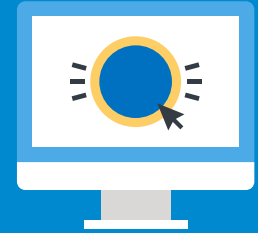
Migration Resource Analysis



- ☐ Project deadlines
- ☐ Resources required and availability
- ☐ Release dates
- ☐ Development processes
- ☐ Definition of the project goals and priorities
- ☐ Problems to solve with the migration
- ☐ Alternative options
- ☐ Critical success factors



Test Cases and Testing Policy



- ☐ Application testing strategy
- ☐ Application test cases
- ☐ QA structure
- ☐ QA resources availability
- ☐ Migration testing strategy
- ☐ Migration QA deadlines, duration and effort
- ☐ Test cases methodology
- ☐ Test cases documentation and templates
- ☐ Testing policy and procedures
- ☐ Testing tools



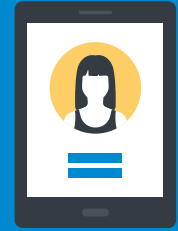
Technical Requirements Inventory



- ☐ Application technical requirements
- ☐ Application technical issues
- ☐ Application features that need to be equivalent on target platform
- ☐ Performance requirements
- ☐ Naming standard requirements
- ☐ Coding standard requirements
- ☐ Documentation standards
- ☐ Architectural requirements
- ☐ Development best practices



End User Requirements Inventory



- ☐ Current end user needs
- ☐ End user requirements
- ☐ Current application issues (from end user point of view)
- ☐ Interview representative collection of end users
- ☐ Consolidate feedback into functional requirements



Need more help?



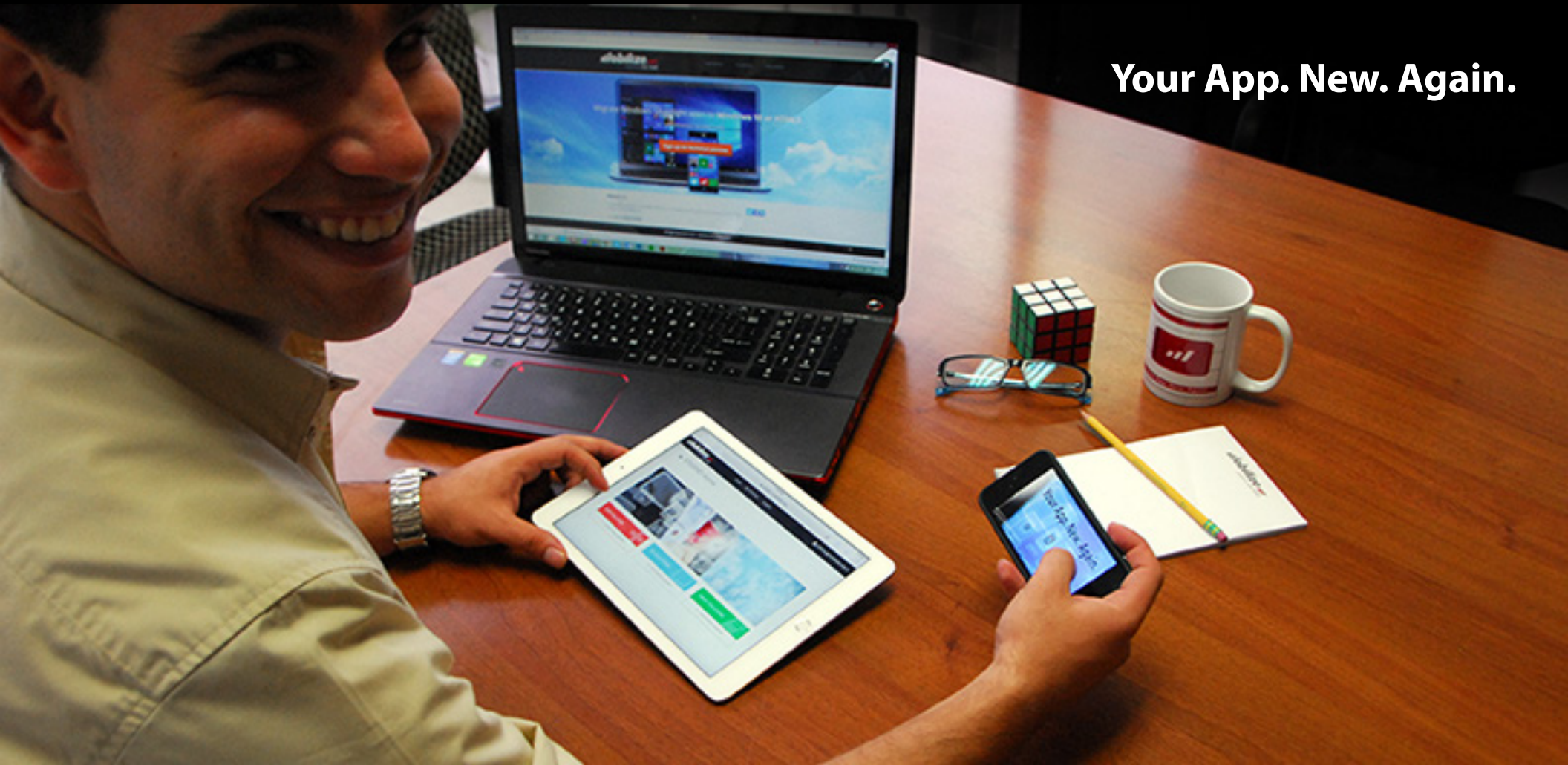
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