Fujitsu Global Legacy Modernization
Oracle Forms Capability

Fujitsu Global Legacy Modernization Offering
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Fujitsu is a leading provider of customer-focused information technology solutions for the global marketplace.

Fujitsu's Legacy Modernization Capabilities enable organizations to leverage the years of investment in software assets, deliver more from IT budgets and reduce the risk of implementing new technologies.

Fujitsu's Global Legacy Modernization Offering is based on a standard set of eight modernization capabilities which are available to our clients throughout the world.

Challenges

Over the last few years we have noticed that several of our clients are facing similar challenges with their Oracle application environments. The challenge is that they find themselves with Oracle systems that have not kept pace with the current supported versions.

They now find themselves at a competitive disadvantage due to the lack of flexibility and agility of these applications.

Why has this happened?

There are many reasons why organizations find themselves in the above situation, from our experience the most common reasons are:
- Lack of a robust policy to keep to the current version of Oracle or at least the current version minus one
- Mergers and Acquisitions
- The cost and timeframe required for an upgrade
- They are already so far behind, that the standard upgrade options are not feasible
- Lack of available resources to undertake and test upgrades.
- Lack of a roadmap, or it wasn't realized that being so far behind would become an issue.

Options for the future

Once it has become apparent that something needs to be done to resolve the issues associated with this challenge and an organization has stakeholder engagement for a resolution, the question becomes, what are the feasible options?
The Fujitsu Legacy Modernization service can deliver several alternatives.

The first set of options can be considered our upgrade strategies, these encompass the following:
- Oracle Database Upgrade from all earlier versions, directly to 11g without having to upgrade to each version in turn
- Oracle Forms

- Upgrade from early versions of Oracle Forms (2.3 and above) to the current versions (Forms 10g and Forms 11g)
- Oracle Reports
- Upgrade from early versions of Oracle Reports (2.5 and above) to Oracle Business Intelligence

The second set of options can be considered our transformation strategies, these encompass the following:

- Oracle Forms and PL/SQL to Java/J2EE
- Transform Oracle Forms to Java/J2EE so that the new version of the application is high quality, n-tier and on the Java Roadmap.
- Oracle Forms to .NET
- Transform Oracle Forms to .NET (C#) so that the new version of the application is high quality, n-tier and on the .NET Roadmap.

Target system quality

When the Legacy Modernization team adds new offerings or partners, the most import issue is quality. Before we release an offering we have to prove the following:

- The quality of the transformed system is at a level where a technician with no skills in the legacy technology should be able to maintain and further develop the application in the long term
- The structure of the new code looks and feels like typical code in the new technology i.e. it does not mimic the old technology
- The transformed application does not contain any Fujitsu or partner IP that requires licensing
- The new application is functionally equivalent to the legacy application.

Fujitsu's Legacy Modernization procedures ensure that systems migrated to new languages are completed to a level of quality that reduces future maintenance and enhancement costs when compared to other alternatives. Fujitsu's experience in this area helps to avoid the trap of poor quality migrated code that is extremely expensive or even impossible to further develop or maintain after a very short time period.

Fujitsu's Legacy
Modernization Approach

The Legacy Modernization service is based on a partnership model; this allows Fujitsu to supply to our clients the best of breed and most capable alternatives. Fujitsu would prime the project and utilize our Legacy Modernization methodology which is used by Fujitsu teams around the world. Fujitsu would also undertake the majority of testing and collaborate with our partners in both the legacy technologies and target technologies.

Fujitsu's partners bring extensive experience in the niche technologies. In the case of Oracle, we have two such partners; one of these partners (CipherSoft, a Unify company) has undertaken over 250 similar Oracle based upgrades and transformations over the last 6 years. Whilst the other partner (Metex) is the world leader in terms of volume for the transformation of 4th Generation Languages to J2EE or .NET.

The partner that would be used is dependant upon your organization's requirements.

Why
Fujitsu?

Fujitsu's opinion is that thorough planning, excellent partners, robust tools and experience during the migration phase is preferred to the extremely risky alternative of 'quick fix' migration strategies which, during the early project stages are cheaper but typically result in significantly higher long term total cost of ownership.

Benefits
The benefits of the two strategy types are similar, however not the same.

Benefits of the Upgrade strategy:
- Leverage your existing investment in Oracle (Database/Forms/Reports)
- Reduced Total cost of Ownership
- Avoid obsolescence and unsupported legacy technology
- Remove requirements for resources with early Oracle skill sets
- Preserve and maintain business logic
- Modernize and extend the life of existing applications
- Web-enable Applications
- Enhance user experience with better user interfaces and functionality
- Reduce deployment and run-time costs
- Reduce Maintenance Costs
- Be in Lock-step with Oracle's Fusion Strategy, Future Proof the application
- Same look and feel, no need for user retraining

Benefits of the transformation strategy:
- Leverage your existing investment in Oracle (Database/Forms/Reports)
- Improve access to more readily available technical resources (.NET and J2EE)
- Reduce IT complexity (by removing a set of technology)
- Improve alignment with you organization's technology roadmap
- Reduced Total cost of Ownership
- Avoid obsolescence and unsupported legacy technology
- Remove requirements for resources with early Oracle skill sets
- Preserve and maintain business logic
- Modernize and extend the life of existing applications
- Web-enable Applications
- Enhance user experience with better user interfaces and functionality
- Reduce deployment and run-time costs
- Reduce Maintenance Costs
- Future Proof the application
- Same look and feel, no need for user retraining

Symptoms of legacy application issues

If any of the following statements reflect your current situation, please contact your Fujitsu Client Executive or email the Legacy Modernization team on the email below

- Our current situation with Oracle applications is preventing us from staying competitive
- Our Oracle applications are currently, or soon to be, unsupported and we do not have the time or technical ability to upgrade them
- The TCO of our Oracle applications is too high
- We have trouble in finding suitably skilled resources for our legacy applications
- Oracle applications are no longer on our technology roadmap
- We need to utilize modern features which are unavailable in our current version of Oracle.
- Our system functionally does what we want it to do, but is in the wrong technology for our organization's future.

Why Fujitsu?

Fujitsu's Legacy Modernization Services offer:

- This capability is part of the Fujitsu Legacy Modernization global offering and so is available from all the Legacy teams around the globe
- Commercial models to suit your business requirements
- End to end solutions with single point accountability
- Extensive experience in planning, designing, migration and implementation of legacy systems and new world technology
- Proven methodologies (Macroscope)
- Certifications of International standards of excellence (ISO9000, ITIL, CMM)
- Experience with automated legacy system conversion and documentation
- Capability and experience in J2EE and Microsoft .NET solutions
- Ability to deliver using on-shore or off-shore resources
- Ability to work with your existing IT staff in a combined delivery team
- Access to global resources with experience assisting major corporate and government sector organizations

- Knowledge of legacy system hardware and software for all major vendor systems
- Unique range of software products that assist in the transformation of legacy environments
- Successful track record in delivering many Legacy Modernization projects

Fujitsu are a leading service provider of information technology and communications solutions. Throughout the world we partner with our customers to consult, design, build, operate and support business solutions. From strategic consulting to application and infrastructure solutions and services Fujitsu Limited has earned a reputation as the single supplier of choice for leading corporate and government organizations.

Fujitsu have been bringing together development and support environments for a wide range of technologies, as well as professional expertise covering a broad array of technical competencies for over 20 years. We are collaborative team players who are flexible and adaptable and can readily fit into a client environment. We work with you, leveraging partnerships with strategic alliances to help tackle your complex business challenges to deliver real business results. We focus on your outcomes and develop an optimal service delivery model and framework of pre-agreed service levels based on your organization's business and budgetary priorities. We have a strong track-record in tackling challenges and realization of tangible and intangible benefits. Many different clients throughout the world have benefited from our techniques to ensure that the desired results are achieved in practice.

Please Tell Me More?

Fujitsu would be pleased to talk to you further about how we can work together to help you leverage the investments your organisation has made in legacy applications.

If you would like to talk to us in person please send an email to the Legacy Modernization team in your local area. Email addresses are on the final page of this brochure.
Or visit our website and take an online survey.

About Fujitsu

Fujitsu is a leading provider of ICT-based business solutions for the global marketplace. With approximately 173,000 employees supporting customers in 70 countries, Fujitsu combines a worldwide corps of systems and services experts with highly reliable computing and communications products and advanced microelectronics to deliver added value to customers. Headquartered in Tokyo, Fujitsu Limited (TSE:6702) reported consolidated revenues of 4.6 trillion yen (US$50 billion) for the fiscal year ended March 31, 2010. For more information, please see www.fujitsu.com.

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