Monolithic to Microservices Assessment

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Offering Type	Monolithic to Microservices Assessment	3 Weeks	Cost : $ 10,000.00

Abstracts

- Complete assessment of existing monolithic applications and provide a strategic roadmap for an easy adoption of microservices. Assessment will help in the seamless migration of monolithic apps and legacy systems to a microservices-based architecture leveraging Microsoft Azure.

Activities

1. Evaluation of short-term and long-term goals
2. Identification of business problems and challenges
3. Identification of components of applications
4. Identification of integration points of different components
5. Understand pain areas related to using monolithic applications
6. Perform health check of monolithic applications landscape
7. Review architecture strategy related to .NET solutions

Benefits

- Help to walk away with a clear picture of current state, how it aligns to short and long-term needs, and actionable insights on how to begin progressing on roadmap
- Get suggestions on the best solution for migrating the monolithic applications to microservices
- Get Suggestions on the best solution for –
  - ✓ Do-Nothing
  - ✓ Porting
  - ✓ Upgrading
  - ✓ Technology Migration
  - ✓ Re-engineering
- Recommendations on best suitable technology stacks

Deliverables

- Assessment Report containing best practices , evaluation criteria and recommendations
- Guideline and implementation roadmap
- YASH Microservice Boilerplate solution (Reference Architecture Implementation)

Week wise Activity:

Week	Activity	Deliverables
Week 1	• Evaluation of short-term and long-term goals • Identification of business problems and challenges • Validate assessment scope and agree on the depth of analysis. • Macro / micro analysis (data objects, data actions, job to perform and use cases, data formats)	• Daily MOM
Week 2	• Identification on basis of different logical and physical parameters • Consolidating Multiple Services • Study existing processes and systems • Collate information on data flows, data entities, current state architecture and potential pain areas. • Identify high level Application Dependencies along with Dev. Test, UAT and Production environment. • Complete detailed analysis including current state architecture against Benchmarks, baselines and best practices. • Implementations assesment with respect to different Parameters • Gap Analysis for each view-points between current & benchmark state. • Identify areas of improvement • Key Findings with respect to Components and Components groups.	• Discovery Documents • Best Practice document
Week 3	• Target State Architecture • Create a solution strategy as recommendations of the assessment • Presentation/sharing, feedback sessions. • Guideline and implementation roadmap	• Assessment Report. • Architecture diagram