A picture containing text, clipart

Description automatically generated

**PROPOSAL FOR**

**Team Foundation Server 2017 to Azure DevOps Services**

**September 2021**

DISCLAIMER

Kryptos Technologies Pvt Ltd. is submitting this document to Intras on the understanding that the contents would not be divulged to any third party without prior written consent from Kryptos. The contents of this document shall be used for the sole purpose of review & decision-making. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, whether electronic, mechanical, photocopying, recording or otherwise, without the written permission of Kryptos. All product names referenced herein are trademarks of their respective companies. Kryptos is limited to servicing this proposal as laid out in this document, further disclaiming any deliverables, expectations that not mentioned herein, laid-out here and stated expressly.

Document Management Information

**Document Title**: TFS Migration from 2017 to TFS 2015Proposal

**Document Status:** Approved by Kryptos/ Intras to review

**Document Publication History**

(All revisions made to this document must be listed in chronological order, with the most recent revision at the top.)

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Date** | **Author(s)** | **R****emark** |
| **1** |  |  | Technical Commercial Proposal |
| **2** |  |  | Technical Commercial Proposal |

**Document Distribution List**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Name** | **Purpose** |
| **1** |  | Document review approval and Sign Off |

**Abbreviations in the Document**

Intras Cloud Services Inc., – **Partner/Vendor/Customer/Intras**

KRYPTOS TECHNOLOGIES PVT LTD – **Kryptos**

**CONTENTS**

[**EXECUTIVE SUMMARY** 4](#_Toc84015807)

[**BUSINESS CASE** 4](#_Toc84015808)

[**PROJECT OVERVIEW** 4](#_Toc84015809)

[**APPROACH** 5](#_Toc84015810)

[**SCOPE CRITERIA** 5](#_Toc84015811)

[**IN SCOPE** 5](#_Toc84015812)

[**PREREQUISITES** 5](#_Toc84015813)

[**OUT OF SCOPE** 5](#_Toc84015814)

[**WORKFLOW** 6](#_Toc84015815)

[**KEY DELIVERABLES** 6](#_Toc84015816)

[**KEY RESPONSIBILITIES** 6](#_Toc84015817)

[**ASSUMPTIONS** 7](#_Toc84015818)

[**PROJECT TEAM** 8](#_Toc84015819)

[**COMMERCIALS** 8](#_Toc84015820)

[**ACCEPTANCE** 8](#_Toc84015821)

# **EXECUTIVE SUMMARY**

Kryptos would like to thank Intras for providing us an opportunity to work on the requirement for assessing and implementing Team Foundation Server Migration 2017 to Azure DevOps Services. This proposal is built based on the initial meeting conducted between Kryptos and Intras.

At Kryptos, we bring Intras our proven DevOps expertise enabling them to not only optimize costs, but also to easily adopt to future business needs.

# **BUSINESS CASE**

Migration from Team Foundation Server 2017 to Azure DevOps Services.

Existing Customer Volumetrics:

* TFS 2012 and need to migrate to latest version, starting with TFS 2015.
* 40 TB Database Size, Mount Size 78 TB
* Total Projects: 1
* Total Project Collections: 1
* Total user active users: Less than 100
* MS SQL Server Database Version & Size: MS SQL 2012 Standard (64 bit)
* Single Server Deployment: Yes
* Integration with Project Server: No
* Integration with SharePoint: No
* Integration with Other Apps: No
* Security options on Native/Cloud platforms: Native Security
* Are the users spread across Global Locations? – Local Users.

Also please confirm the below points , Below Information are correct.

Existing TFS server Version : 2012

TFS Upgraded version: 2015

* Updated Version server details: Windows 2016
* SQL Version: 2016

Intras has processes which holds applications, tasks, roles, users, and workflows. Main processes to be migrated are version control, testing & quality assurance, building and deployment services in Azure DevOps. The general description of processes will be provided by Intras during this implementation.

During this engagement we would be preparing the existing current design to be migrated to Azure DevOps services. Initial capture would deal with gaps that would enhance the approach with risk free environment.

# **PROJECT OVERVIEW**

The goal of this project is to assess the infra for the Intras and to support them with migrating their existing TFS 2017 infra to Azure DevOps Services.

This service is to provide them with recommendations for the ideal Azure DevOps solution focused on migrating all the workloads to the appropriate environment. The assessment will be performed, prepared, and administered using a combination of different toolsets, interviews and hands on review of implementation according to the Intras current TFS 2017 environment.

# **APPROACH**

Kryptos, with its proven expertise and tested methods, will help assess the environment in a phased approach.

The phases of implementation involve;

1. Discovery & Design
2. Prepare the Existing environment on application tier for TFS Upgradation
3. Backup & Restore (DB, PROJECTS, COLLECTION) activity before Upgradation.
4. Migration – Tool Execute
5. Validate and Import - TFS 2017 to Azure DevOps
6. Documentation & Reporting

# **SCOPE CRITERIA**

This scope facilitates the customer’s existing optimization desires, as well as the ability to provide recommendations and planning for the migration to the chosen public cloud provider.

## **IN SCOPE**

1. Discover, Assess and Map the current architecture and provide implementation procedures on the migration.
2. Prepare the existing environment on application tier for TFS migration.
3. SQL server databases backup and restore details.
4. Backup & Restore (database, projects, collections) activity before migration.
5. Preparing for the migration. Execute the Migration Tool to import the TFS environment to Azure DevOps Services.
6. Upgrade TFS, Validation & Import.

## **PREREQUISITES**

1. On -Prem Storage/Repository
2. Azure Storage/Repository
3. A dedicated server for the application & Data tier
4. Updated SQL Management Studio
5. Azure Data Migration Tool
6. Azure AD Connect

## **OUT OF SCOPE**

1. Any modifications of existing systems
2. Changes to the existing infrastructure to accommodate the data gathering
3. Changes to customer configurations or access
4. Changes to any applications existing on the systems
5. GitHub (Repos) –Source Code repository- Management
6. Secrets Management - IAM
7. Security Management. (DevSecOps)
8. Customized project management in Azure DevOps
9. Customized CI/CD pipelines in Azure DevOps environment – Build and release
10. Parallel deployment
11. Standard build repos size
12. Testing – Manual / Automated testing.
13. Monitoring- Customized features of Monitoring.
14. Release Cycle -Blue/Green release management

## **WORKFLOW**

Shape

Description automatically generated

# **KEY DELIVERABLES**

|  |  |
| --- | --- |
| **DELIVERABLES** | **MAN DAYS** |
| Gathering the pre-requisites & understanding the existing environment | DAY 1 & DAY 2 |
| Prepare the existing environment on application tier for TFS migration | DAY 3, 4 |
| SQL server backup and restore of databases, reports & SharePoint information | DAY 5, 6 & 7 |
| Backup & restore (database, projects, collections) activity before migration | DAY 8, 9 & 10 |
| Migration from TFS to Azure DevOPs, validation & importing projects & collections. Testing and validating Azure DevOPs after the final migration | DAY 11,12 & 13 |

# **KEY RESPONSIBILITIES**

**Kryptos**

1. Kryptos will provide a Solution Architect with the necessary expertise to complete the project.
2. Kryptos will operate in a professional and workmanlike manner at all times.
3. Provide an expert Azure DevOps professional to complete the assessment.
4. Kryptos will provision necessary assessment tools to facilitate the assessment and migration.

**Intras**

1. Provide contact information as escalation point for Kryptos
2. Attend calls and sessions as necessary to facilitate success of the project.
3. Troubleshoot and facilitate resolution of connectivity issues within the environment to facilitate Data Gathering
4. Provide a resource as the conduit for Kryptos
5. Facilitate access to all relevant systems
6. Provide resources as/if required for testing of system and applications
7. Coordinate staff schedules to help Kryptos facilitate the assessment.
8. Ensure that Intras’ s change control constraints do not unnecessarily impede progress on that work items listed in this document.
9. Deliver all relevant documentation on existing systems and growth plans
10. Provide all necessary information to be evaluated in the assessment

# **ASSUMPTIONS**

The scope and estimates for this project were developed based on the assumptions below and any deviation from these may impact the level of effort as well as the schedule and fees associated with completing the project.

1. Intras will provide a point of contact to be engaged in the project at all times. This point of contact will also be responsible for providing all necessary information about the environment.
2. Scheduling will occur based on availability of all parties.
3. Kryptos is not responsible for any data loss. Intras should perform backups of all affected systems prior to commencement of work on this SOW.
4. Intras’s Contact will have the authority to act for Customer in all aspects of the Service including bringing issues to the attention of the appropriate persons within Customer's organization and resolving conflicting requirements.
5. Intras’s key stakeholders will be readily accessible for key decision making throughout the course of the initiative. Delays caused by availability of customer personnel may cause increased time and costs to the project.
6. If the project is cancelled by Intras after work has begun, all fees will be paid for work performed and a cancellation fee of 20% of the remaining billable amount will apply.
7. Services will be performed Remotely
8. Support on OS and App services (3rd Party, OS),
9. Version compatibility of Data base for Migration to Azure DevOps.
10. User management in Azure AD or TFS / User Licenses
11. Network & Security
12. Firewall management
13. Secrets management

# **PROJECT TEAM**

Kryptos team roles are summarized below

|  |  |
| --- | --- |
| 1. **Role** | 1. **Responsibilities** |
| Solution Architect | Provide plan, design, and tool support TFS/ Azure DevOps, Cloud expertise to complete of the migration. |
| DevOps Engineer | Provide support to Azure DevOps build work Items |
| Cloud Engineer | Implement the scope to complete the TFS to Azure DevOps migration. |

# **COMMERCIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. **Resources** | 1. **Man-hours** | 1. **Hourly Rate $** | 1. **Total Estimate $** |
| Solution Architect | 48 |  |  |
| DevOps Engineer | 104 |  |  |
| Cloud Engineer | 56 |  |  |
|  | | |  |

Total estimated cost is $ 10880 for the duration of estimated 208 Manhours.

(The cost is projected for the TFS migration scope only. Any extension on scope would require additional work hours for the same resources)

**PAYMENT TERMS**

1. Payment Terms – 100 % in advance paid.
2. Above pricing is exclusive of tax
3. Taxes as applicable at the time of Billing.
4. Validity of the offer: - 30 days from the date of submission
5. Kryptos team would provide services to Customer at a mutually agreed-upon schedule.
6. Customer would promptly review Kryptos deliverables. Any work not accepted must be rejected in writing within two business days from the delivery date of such work. Otherwise, such work shall be deemed accepted.
7. Any other new deliverables performed for Customer other than the above scope of deliverables would be considered as Projects and commercials would be provided on case-to-case basis.
8. Onsite travel outside of Chennai area towards the transition or for any reviews would be paid in actuals by Customer.

# **ACCEPTANCE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Intras** | | **Kryptos Technologies Pvt Ltd** | |
| Signature | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Name |  | Name |  |
| Date | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |