



783-2020 ADDENDUM 1

INTEGRATION PLATFORM AS A SERVICE (IPAAS) ON MICROSOFT AZURE

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE REQUEST FOR PROPOSAL

ISSUED: January 22, 2021
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE REQUEST FOR PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: Ar20160708

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Request for Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Proposal may render your Proposal non-responsive.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, February 3, 2021.

PART E – SPECIFICATIONS

Revise: E2.2 to read:

E2.2 The iPaaS shall deliver the following general capabilities:

- (a) Offered as a cloud-native solution on Microsoft Azure
- (b) Each subscription shall provide service for a non-production and production environment (Form B: Prices should itemize the per user/license subscription cost). The available funding is based on two (2) subscriptions for the first year (i.e. 2 non-prod and 2 prod environments).
- (c) Option to subscribe to the service on a monthly or yearly basis (total subscription annual cost cannot exceed contract budget as per D2.3).
- (d) Managed solution for hosting, developing, and integrating data and applications on Microsoft Azure
- (e) Must be scalable at no additional cost (i.e. no additional charges for growing volume of data or number of data sources)
- (f) Data management
- (g) Data discovery
- (h) Data transformation and integration
- (i) Data connectors
- (j) Data security
- (k) Data stewardship
- (l) Data processing
- (m) Self-service data quality management
- (n) Compliance reporting
- (o) Data exploration
- (p) Data profiling

- (q) Product maintenance and support

Revise: E2.3 to read:

E2.3 The iPaaS shall deliver the following business capabilities:

- (a) Ability to move any type of data format both structured and unstructured data
- (b) Ability to introduce business processes into the data ingestion pipeline to manage data quality or governance
- (c) Ability to receive automated notification of failed execution
- (d) Ability to manage and monitor the access, use, and disclosure of data
- (e) Ability to curate new data as required either temporarily or permanently
- (f) Ability to identify and correct data quality concerns

Revise: E2.4 to read:

E2.4 The iPaaS shall deliver the following technical capabilities:

- (a) Intuitive administrative interface
- (b) Ability to integrate with existing security layer
- (c) Ability to ensure data privacy policies Ability to monitor, prevent, and report on violations to business policies for the access, use, and disclosure of information
- (d) Data governance
- (e) Lightweight browser based data integration tool with ETL capabilities for data scientists and ability to view code generated from ETL mappings
- (f) Enables data and business analysts to profile, cleanse and enrich data
- (g) Ability to mask/encrypt the data while the data is in motion
- (h) Ability to quickly move data from multiple SAS applications to Microsoft Azure data warehouses
- (i) Provides an exhaustive library of connectors (more than 1000) to various types of data sources
- (j) Provides an exhaustive library of connectors (more than 100) to SaaS applications and databases.
- (k) Data quality management (DQM)
- (l) Enables data quality in motion
- (m) Built-in integrated data quality
- (n) Enables users to share preparations and curated datasets and embed datasets into batch and bulk data integration
- (o) Allows the users to operationalize data from various sources
- (p) Point-and-click approach to data curation.
- (q) Enables the organization to design models and rules to validate data and resolve data errors
- (r) Web interface for exception management
- (s) A single interface for data quality and integration
- (t) Provides support for advanced log mining
- (u) Embeds manual certification and error resolution into data management activities
- (v) Allows organizations to monitor progress of data governance programs
- (w) Simple visual tools and wizards cover the complete development lifecycle, from design, testing, and documentation to implementation and deployment
- (x) Enables organizations to leverage open source technologies
- (y) Natively integrates with GitHub
- (z) Support for Azure SQL Data Warehouse, Azure Databricks, Azure Data Lake Store, and Azure HDInsight.

- (aa) Shall be AICPA SOC 2 Type II compliant.
- (bb) Must provide the City with the option to opt-out at the end of each subscription term (not greater than 1 year).

Revise: E2.5 to read:

E2.5 The iPaaS solution needs to have the option to expand its capabilities to include the following at an additional cost or as a value-add at no additional cost:

- (a) Master Data Management and/or equivalent ability to build and manage a Golden Record such as:
 - i. Data catalogue
 - ii. Ability to communicate a common definition and understanding of data and terms
 - iii. Ability to provide data catalogue of existing data within a centralized reservoir
 - iv. Data lineage and life cycle management
 - v. Ability to determine lineage of data, understand dependencies, systems of record, and systems of reference
 - vi. Ability to define terms across WWD in a consistent way and track compliance
 - vii. Ability to centrally-define WWD assets and stipulate how they should be used in both systems and analytical reports
 - viii. Intelligent data lineage tracing and compliance tracking
 - ix. Multifaceted search and dataset provenance capabilities
- (b) Additional Metadata Management capabilities such as:
 - i. Automatically crawls, profiles, organizes, links, and enriches all metadata
 - ii. Allows users to collaboratively add metadata or business glossary data points
- (c) Additional Data Access, Use, and Privacy Monitoring and Control capabilities such as:
 - i. Real-time data services
 - ii. Real-time quality monitoring
 - iii. Enables users to share preparations and curated datasets and embed datasets into real-time data integration
 - iv. Provides support for advanced log mining
 - v. Enables the organization to protect proprietary and personal data with controls for data governance, role-based access, and rate limits across stakeholders
- (d) Additional Data Quality Management capabilities such as:
 - i. Automatic data quality scoring
 - ii. Automatic inventory of data assets
 - iii. Design micro services that embed enterprise data quality components to validate, clean, standardize, and mask data in any format or size
 - iv. Point-and-click approach to data certification
- (e) Additional API Support
 - x. Streamlines complex JSON, AVRO, XML, and B2B integrations
 - xi. Contract first API design methodology
 - xii. Provides auto generation of API documentation
- (f) Provide and support machine learning libraries such as Spark MLlib
- (g) Enables organizations to run big data jobs natively in YARN