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

Revised: 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

Revised: 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 decencies, 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