

96705-Request for Information (RFI)

Data Integration and Virtualization Solution



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1 INTRODUCTION AND PURPOSE OF THE RFI

With this RFI we request information regarding your company and your products/services. The same information will be gathered from different companies to learn available service delivery options for a Data Integration and Virtualization Solution. **This RFI is for informational and planning purposes and is not to be construed as solicitation or a commitment to issue a solicitation.**

General

Article I, Section 24, Florida Constitution, guarantees every person access to all public records and Chapter 119, Florida Statutes, provide a broad definition of public records. JEA is a body politic, corporate, and subject to these laws and related statutes ("Florida's Public Records Laws"). All responses to this RFI are public records and available for public inspection unless specifically exempt by law.

IF A PROPOSER HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTORS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

JEA

Attn: Public Records

21 West Church Street

Jacksonville, Florida 32202

Ph: 904-665-8606

publicrecords@jea.com

Redacted Submissions

If a Proposer believes that any portion of the documents, data or records submitted in response to this RFI are exempt from Florida's Public Records Law, Proposer must (1) clearly segregate and mark the specific sections of the document, data or records as "Confidential," (2) cite the specific Florida Statute or other legal authority for the asserted exemption, and (3) provide JEA with a separate redacted copy of its response (the "Redacted Copy"). The cover of the Redacted Copy shall contain JEA's title and number for this RFI and Respondent's name, and shall be clearly titled "Redacted Copy." Respondent should only redact those portions of records that Proposer claims are specifically exempt from disclosure under Florida's Public Records Laws. If Respondent fails to submit a redacted copy of information it claims is confidential, JEA is authorized to produce all documents, data and other records submitted to JEA in answer to a public records request for such information.

In the event of a request for public records to which documents that are marked as confidential are responsive, JEA will provide the Redacted Copy to the requestor. If a requestor asserts a right to any redacted information, JEA will notify Respondent that such an assertion has been made. It is Respondent's responsibility to respond to the requestor to assert that the information in question is exempt from disclosure under applicable law. If JEA becomes subject to a demand for discovery or disclosure of Respondent's redacted information under legal process, JEA shall give Respondent prompt notice of the demand prior to releasing the information (unless

otherwise prohibited by applicable law.) Respondent shall be responsible for defending its determination that the redacted portions of its response are not subject to disclosure.

By submitting a response to this RFI, Respondent agrees to protect, defend and indemnify JEA from and against all claims, demands, actions, suits, damages, liabilities, losses, settlements, costs and expenses (including but not limited to reasonable attorney fees and costs) arising from or relating to Respondent's determination that the redacted portions of its response to this Solicitation are not subject to disclosure.

2 BACKGROUND, SCOPE, AND SOLUTION OPTIONS

2.1 Background

JEA owns, operates and manages the electric system established by the City of Jacksonville, Florida in 1895. In June 1997, JEA also assumed operation of the water and sewer system previously managed by the City. JEA is Florida's largest municipally owned utility and the seventh largest municipal in the United States.

2.2 Scope

JEA is requesting information for a tool to develop, manage, and facilitate its data integration pipeline and manage accessibility to that information in a more securely and efficiently.

JEA is exploring solutions that contain but are not limited to the following High-Level functionality:

1. Can operation and be maintained as a hosted cloud or on-premise solution
2. Ability to integrate data in hybrid environment (Cloud, Multi-Cloud, Cloud-Ground scenarios)
3. Can support and/or integrate easily with 3rd party monitoring, modeling, governance and security tools.
4. Configurable suite of tools that offer continuity to support an agile data pipeline and phased implementation approach
5. The ability to extract, load and transform data from a variety of data source types, platforms and velocities
6. The ability to provision large volumes of data with a reasonable response rate
7. The ability to support Single Sign-on and integration with Active Directory
8. Intuitive, graphical user interface for Data Modeling and Transformation

The awarded Company shall also recommend the technology platform and facilitate the implement of the solution/tool into JEA's current environment as well as provide a means of support via a Customer Account Representative, phone and e-mail.

2.3 Solution Option

JEA is interested in understanding the available software solution options to accomplish (at a minimum) the business functionalities stated above and further defined in Appendix A, attached hereto. Please complete the attached Appendix A to detail the proposed Solution's functionality capabilities.

3 GENERAL INSTRUCTIONS

Please note that this RFI is issued solely for the purpose of obtaining information. Nothing in this RFI shall be interpreted as a commitment on the part of JEA to enter into a contract with any respondent thereof to make any procurement.

3.1 Response Instructions

3.1.1 Response Submission

All responses to this RFI are due no later than 12:00 p.m. on, February 22, 2019. Respondents should submit an electronic copy via e-mail to Nick Dambrose at: dambnc@jea.com. All responses must include on the first page the official name of the firm or entity submitting the response. Please consecutively number all pages of the response.

3.1.2 Response Content

Vendors shall include a response to Appendix A, and to each of the questions set forth under Question and Vendor Responses (Section 5) of this RFI. Vendors should elaborate how or why they meet the functionalities in which measurement or quantifiable in the comment section next to each requirement.

3.1.3 Response Format

JEA requests that all responses be submitted with a point-by-point response to each question in every section. If a respondent opts not to respond to any item(s) please include an explanation for the lack of response.

3.2 Contacts

3.2.1 Questions

Potential respondents who have questions regarding this RFI may e-mail them to the contact listed below by 12:00 p.m. on, February 15, 2019. Respondents may only make inquiries and request clarification concerning this RFI by written questions via e-mail. Responses to inquiries and clarification questions will be provided electronically to all interested parties.

Note: There will be no informational sessions associated with this RFI.

3.2.2 Contact Information

Please direct all communications, questions, and responses to the following contact:

Nick Dambrose
JEA
21 West Church Street
Jacksonville, FL 32202
904.665.7217
E-mail: : dambnc@jea.com

3.3 Timeframe

CALENDAR EVENT	DATE	TIME
RFI Posting and Release	February 1, 2019	3:00 PM EST
Questions Due	February 15, 2019	12:00 PM EST
RFI Responses Due	February 22, 2019	12:00 PM EST

4 ADDITIONAL INFORMATION

4.1 Requests for Additional Information

JEA retains the right to request additional information from respondents.

4.2 Cost Incurred

By submitting a response, respondents agree that any cost incurred in responding to this RFI, or in support of activities associated with this RFI, shall be the sole responsibility of respondent. JEA shall not be held responsible for any costs incurred by respondents in preparing their respective responses to this RFI.

4.3 Review Rights

Responses to this RFI may be reviewed and evaluated by any person(s) at the discretion of the JEA, including independent consultants retained now or in the future. JEA reserves the right to request a demonstration from one or more companies.

4.4 Public Record

All responses to this RFI will be public record under the State of Florida's Sunshine Law regardless of confidentiality notices set forth on such writings to the contrary.

5 QUESTIONS AND VENDOR RESPONSES

See General Instructions in Section 3 for information on response format and submission. **Note:** Please describe any assumptions you make in answering these questions as part of each response.

5.1 Questions / Vendor Responses

5.1.1 Company Information

1. Company name, mailing address, phone number, fax number, and phone/e-mail of designated point of contact for RFI.
2. Corporate web site address.
3. Number years on the market.
4. Company location(s).

5.1.2 Overview of Customer Base

1. Identify two (2) client references based on similar solution(s). Include the client name, point of contact information, and government contract number (if applicable).

5.1.3 Business Model Overview

1. Please explain the business model(s) you use for your business. In other words, describe the companies you may partner with, what types of customers you support (e.g. small, medium, large, e-businesses, etc.), Include any companies similar to JEA (including both electric and water/sewer service).
2. Please provide the percentage of revenue that is generated from Data Integration and Virtualization Toolsets
3. Please provide an indication of the size of your company in terms of revenues, number of employees, regions of the country you serve, etc.

5.1.4 General Solution Functionality

Complete Appendix A to detail the functional capabilities of the proposed Solution.

1. Can operation and be maintained in a hosted cloud environment
2. Can operate and be maintained as an on-premise solution
3. Ability to integrate data in hybrid environment (Cloud, Multi-Cloud, Cloud-Ground scenarios)
4. Contains an easy to use, graphical user interface to facilitate data modeling and transformation development
5. Can support and/or integrate easily with 3rd party solutions:
 - o Monitoring Tools
 - o Governance Tools
 - o Security Tools
 - o Data Modeling Tools
 - o Meta Data Management Tools
6. Comprises a modular suite of tools that operate collectively to support all functionality in a phased roll-out and approach

5.1.5 Data Source and Provisioning Functionality

7. Does the solution contain pre-built APIs to facilitate agile integration to new source scenarios
8. The ability of your solution to extract/integrate data from the following data source/service types:
 - o RDMS (i.e. Oracle, SQL Server)
 - o Files sources (i.e. .csv, .txt, excel, access)
 - o Semi-Structured (JSON, XML, HTML)
 - o Big Data Platforms (Cloudera, Oracle Big Data, AWS)
 - o Web Services
 - o Sensor and IoT
9. The ability of your solution to provision data via the following protocols:
 - o Bulk/batch
 - o Data Services Bus (SOA) – SOAP/REST APIs
 - o Message-Oriented

- Replication – CDC to load data in persistent state in Real Time, Event Driven and/or Batch
 - Streaming/Event Driven (i.e. KAFKA)
 - Synchronization
 - Data Virtualization
10. Ability to allow for web based searchable meta data on data and data artifacts
 11. Ability to support Bi-Directional Meta Data – Meta data that can be shares across various Data Integration platforms for data lineage and impact analysis reporting as well as data synchronization across multiple instances of the solution
 12. Ability to support Data Modeling
 13. Explain the availability and functionality of mobile applications that support the product.

5.1.6 Solution Security Functionality

14. If a cloud based solution is selected, JEA shall require documentation that demonstrates SOC Type 2, ISO 27001, or other relevant security related assessment compliance. (An auditor's report or independent third party assessment report will be required annually). Will the company be able to provide this if requested during a bid process?
15. If a cloud based solution is selected, a declaration that Company data shall only be stored within the Continental United States will be required. Will the company be able to provide this if request during a bid process?
16. Support single sign-on
17. Support integration with Active Directory
18. Supports row, column level security
19. Supports user and role based security
20. Support individual traceability to queried data

5.1.7 Solution Performance Functionality

21. Ability to scale up/scale down system resources automatically based on resource demands
22. Ability to cache queries for optimal performance
23. Ability to provision extremely large volumes of data efficiently on demand via parallel processing.
24. Ability to support data processing in place (i.e. push-down processing)

5.1.8 Training, Documentation and Support

25. Please describe the training you provide and any available options – i.e. on-site training, webinars, etc.
26. Explain the type of documentation/user guides you provide.
27. Please explain the available technical support and implementation options. JEA's onboarding business hours are: Monday – Friday 7:00 am. – 7:00 pm. and Saturday 8:00 am. – 12:00 pm. EST

5.2 Budgetary Cost Estimates

Cost estimates have been requested for budgetary purposes only and should be based upon the parameters defined within this document.

1. Please provide an estimated price for the product(s)/application. Approximately 7 to 10 Integrators/Data Virtualization licenses are expected to use the proposed solution and ~2,500 consumers of the information when scaled.
2. Please provide the type of licenses required (End User, Support, etc.), and aggregated cost for each license
3. Please provide the estimated price for the licensing (annual costs as well as estimated renewal costs over a five (5) year period)
4. Please provide a cost estimate for your implementation services – identifying both required and optional services with pricing. Estimates should be categorized (planning, analysis, design, construction, testing, production deployment, post go live support, travel, training, etc.) and include all potential charges. If price ranges are used please specify what is provided at each end of the range.
5. Include the time to implement your services as well as the roles and responsibilities of the JEA resources who will be needed to support the team.
6. Please provide a cost estimate for annual support and maintenance