

Big Data and Data governance Q&A's

Q1	Does MoDEE have General Data Protection Rules (GDPR)
A1	Mentioned in RFP
Q2	Does MoDEE have Government Information Security Management (GISM)
A2	ISO 27001 for Governance
Q3	Is MoDEE going to be the Single Source of Truth?
A3	Yes
Q4	MoDEE is requesting the implementation of Data Masking, Row-Level Security, and Column-Level Security. In scenarios where an application (stakeholder) connects to a MySQL database that lacks support for these security features, the question arises: Would MoDEE require the stakeholder to modify their application to comply with these security measures, or would the company (bidder) need to employ specialized database techniques tailored to each specific case?
A4	The bidder need to employ specialized database techniques tailored to each specific case, the proposed solution will use a copy of the data from the stakeholders so no modify needed on the OLTP.
Q5	MoDEE Requests duration time for this project will be 365 calendar days starting from commencement date, in addition to 12 months of support and maintenance services starting from the preliminary acceptance. The scale of the project required more than 12 Months would MoDEE extend the duration to be 18 Months instead.
A5	Rejected
Q6	It was mentioned that there are 20 terabytes of data. Does this data include any type of media, or is it purely textual?
A6	Currently no, but the proposed solution should be able to deal with different databases including not limited mongoDB and unstructured data sources
Q7	Could you provide a list of the database technologies involved, such as Oracle, MongoDB, etc.?
A7	Q6
Q8	How many databases are expected to be linked to this project?
A8	Mentioned in RFP (40 data sources)
Q9	Are there any databases with versions from before 2005? If yes, could you approximate how many?
A9	No
Q10	What types of data sources are currently being managed or anticipated to be included in the Big Data solution?
A10	Q6
Q11	Can you provide an estimate of the current data volume and expected growth rate over the next few years?
A11	Mentioned in RFP
Q12	Are there any plans to incorporate new data sources in the future?
A12	Yes, Refer to RFP
Q13	What are the scalability requirements for the infrastructure, considering both current and future data volumes?
A13	the proposed solution should be scalable and the infrastructure provided by MoDEE and no limitation for infrastructure scalability
Q14	Are there any specific performance benchmarks or service level agreements (SLAs) that the infrastructure should meet?
A14	No benchmark
Q15	Do you have any preferences or constraints regarding the hosting environment (e.g., on-premises, cloud-based)?
A15	Refer to RFP- section 3.2
Q16	What technologies and architectures are currently in use within your organization's IT environment?
A16	Refer to RFP- section 3.2

Q17	Are there any specific technology preferences or constraints we should consider when designing the Big Data solution?
A17	No, but should comply with RFP requirements
Q18	How do you envision the integration of the proposed solution with existing systems and workflows?
A18	No integration required
Q19	What are the key security requirements and compliance standards that the Big Data solution must adhere to?
A19	Mention in section 3.6 Data Governance
Q20	Can you provide insights into the types of sensitive data that will be managed within the platform and their associated security requirements?
A20	Mention in section 3.6 Data Governance
Q21	How do you currently manage access control and data encryption within your IT infrastructure?
A21	The bidders should provide how to manage access control
Q22	What types of analytics and machine learning capabilities are you looking to incorporate into the Big Data solution?
A22	Refer to RFP
Q23	Do you have specific use cases or business scenarios where advanced analytics or predictive modeling will be applied?
A23	Predicted use-cases not included and Refer to RFP requirements
Q24	Are there any existing analytics tools or frameworks that you prefer or are already using?
A24	Refer to RFP requirements
Q25	What are your requirements for data reporting and visualization?
A25	Refer to RFP requirements
Q26	Are there any specific data visualization techniques or tools that stakeholders prefer or are accustomed to using?
A26	Refer to RFP requirements
Q27	Do you have any preferences regarding real-time or near real-time reporting and dashboarding capabilities?
A27	Q26
Q28	What are your expectations regarding project management support and documentation throughout the implementation process?
A28	Refer to RFP requirements
Q29	How do you envision the training and onboarding process for your team members once the Big Data solution is deployed?
A29	Refer to RFP requirements
Q31	Are there any specific training resources or formats that your team prefers?
A31	Refer to RFP requirements
Q31	What are your expectations regarding ongoing maintenance and support services for the deployed solution?
A31	Refer to RFP Requirements
Q32	Do you have any specific requirements or preferences regarding the duration and scope of maintenance contracts?
A32	Q32
Q33	Are there any existing support processes or ticketing systems that we should integrate with?
A33	We have ITSM solution will provide the winning bidder API for integration
Q34	Do you have any specific timeline constraints or milestones that we should be aware of?
A34	Refer to RFP requirements, the bidders should provide MoDEE with project plan including all deliverables and milestones

Q35	Are there any potential risks or dependencies that could impact the project timeline or budget?
A35	No
Q36	How is data currently governed within your organization, and what measures are in place to ensure data quality?
A36	Should provided by bidders
Q37	Are there any specific data governance policies or frameworks that the Big Data solution should align with?
A37	No specific requirements, should defined by the bidders
Q38	What mechanisms are in place for data validation, cleansing, and standardization?
A38	Should provided by bidders
Q39	What are your requirements for disaster recovery and business continuity planning within the Big Data environment?
A39	Not required currently
Q40	Do you have existing strategies or infrastructure in place for data backup and recovery?
A40	the winning bidder must provide the backup policy
Q41	Are there any specific regulatory or compliance requirements related to disaster recovery that need to be addressed?
A41	Q41
Q42	How do you currently manage user access and permissions within your IT systems?
A42	the winning bidder should provide the access control
Q43	Are there any role-based access control (RBAC) requirements or specific user roles that need to be defined within the Big Data solution?
A43	No specific requirements, should defined by winning bidder
Q44	What mechanisms are in place for auditing user activities and maintaining compliance with access control policies?
A44	the bidders should provide these mechanisms
Q45	Are there any external systems or third-party applications that the Big Data solution needs to integrate with?
A45	the platform should be integratable with other systems
Q46	What data exchange protocols or APIs are supported by these external systems?
A46	Q45
Q47	Do you have any specific requirements or preferences regarding the integration process and data synchronization?
A47	No specific requirements, should defined by winning bidder
Q48	How do you currently monitor and optimize the performance of your IT infrastructure and applications?
A48	Refer to Infrastructure section
Q49	Are there any key performance indicators (KPIs) or metrics that you prioritize for monitoring the Big Data solution?
A49	Should be provided by winning bidder
Q50	What mechanisms are in place for capacity planning and resource optimization within the Big Data environment?
A50	Should be provided by winning bidder
Q51	What measures are in place to ensure compliance with data privacy regulations, such as GDPR or CCPA?
A51	Refer to RFP

Q52	How do you handle user consent and data anonymization within your data management processes?
A52	NA
Q53	Are there any specific data privacy requirements or restrictions that need to be considered for the Big Data solution?
A53	No limits on requirements, should specified by bidder
Q54	What are your expectations regarding the scalability and elasticity of the Big Data solution, especially during peak usage periods?
A54	after design session with winning bidder
Q55	Do you anticipate any seasonal or fluctuating data volumes that could impact scalability requirements?
A55	No
Q56	How do you currently handle spikes in demand or unexpected increases in data processing loads?
A56	We don't have BD solution now, and we don't face this problem now
Q57	What classification do the 40 data sources fall: internal or external?
A57	Internal
Q58	In the case that the data sources are identified as external, could you provide further details regarding the proposed integration or connection methods? Specifically, do these methods involve direct connections or Service APIs?
A58	Q57
Q59	In the context of the 360 use case, could you clarify whether the intended users are internal or external users? Additionally, is there a plan to extend access to Business Intelligence (BI) tools for external users?
A59	Both, Yes
Q60	In the context of 360 use case, the external users' data access, could you provide details on whether their primary means of access will be through Business Intelligence (BI) tools or via a Data as a Service model?
A60	Both
Q61	Regarding the Data Management aspect, our understanding is that the proposed solution will provide a full Data Management functionalities, including data ingestion, data quality assurance, data governance, and metadata management. Could you please confirm this understanding?
A61	Confirmed
Q62	What steps should be taken if the bidder intends to engage a non-local technical partner to fulfill the technical aspects of the solution while submitting the tender under the local company's name? Could you please elucidate the necessary procedures ,agreements, or supporting documentation required for this arrangement if required
A62	<p>You can subcontract or form a joint venture. Subcontracting is suitable when the subcontractor should perform limited activities, also the experience/track record of the subcontractor will not be evaluated as the main bidder. You should mention in your technical proposal the name of the subcontractor, the activities to be performed by the subcontractor, and the percentage of these activates against the total project.</p> <p>In case of the joint venture, you need to sign the attached form (Joint venture agreement) and mention the members of the JV, their responsibilities, the leader. The JV will be evaluated as one entity.</p>