

Cloud Consideration Criteria

Office of the Chief Information Officer

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Description

As the State of Nebraska moves towards using Cloud resources, other than the private cloud solution offered by the Office of the Chief Information Officer, the following are criteria that must be taken into consideration prior to the movement of data into a non-State Cloud solution. Please refer to the NITC Technical Standards and Guidelines 8-607. Cloud Computing.

Cloud Request Type: New Replace Renew

Business questions:

Executive Summary/ Business Use Case:

What services are you planning to move to the Cloud?

Is there a time-frame or event driving the change, example, end-of-Life hardware/software?

Is the application/service currently used on the State Network?

How will success of a move to the Cloud be measured?

Are there any application/services being actively developed or updated that may impact a Cloud migration?

Does the Cloud application/service have any dependencies of current applications / services?

Is there a contract in place to procure this?

Technical questions:

How much initial storage is needed (GB's/TB's) and what is the anticipated growth per month?

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Performance Requirements

Does the solution you are using today meet those requirements (please provide metrics)

What metrics are available on the current system to measure performance and capacity?

What is the impact on user experience under varying degrees of network latency/slowness?

Does the data need replicated to another physical location? ☐

Are there any Disaster Recovery or Business Continuity requirements?

How is the data going to be used (application, server, users, archival?)

Which Tenant/Subscription will the data reside?

State

Vendor

Other

What are the Recovery Point Objective and Recovery Time Objectives for the service?

Does the data moving to the cloud fall under any federal requirements such as CJIS, PCI, FTI, PHI, PII, Et All ?

How will the application/service be accessed (public Internet, internal State network only, etc.)?

Which Deployment Model of NITC Standard 8-607, Cloud Computing are you intending to use?

Architecture and technology questions:

Is there any existing architecture documentation?

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If replacing, is the current platform physical or virtual?

Who uses the application or service now? Number of users / Where and how do they access the service today?

Who will be responsible for the ongoing support of this data/application?

What are the Internal & External dependencies?

What technologies and versions are used to deliver the service (web servers, databases, directory services, etc)?

Will the OCIO Change Management process be used?

What environments are required to support the service (Staging, Development, training, etc)?

Was this service designed with the Cloud in mind?

For further information, please contact:

Office of the CIO Service Desk
cio.help@nebraska.gov
402-471-4636 or 800-982-2468