

Cloud Readiness Assessment with Txture

Technical Brief

The cloud readiness assessment of large application landscapes is one of Txture Cloud Transformation's (CT) core use cases along the cloud transformation journey. Cloud readiness of an application is a key indicator for all further transformation decisions and is calculated by Txture CT using a large catalog of assessment rules that is centrally managed. Assessment rules can be adapted on the fly to capture customer-specific requirements.

The Cloud Readiness Ingredients

Cloud Assessment Rules

The catalog of assessment rules determines suitability, risks and recommendations for a cloud move of an application. Each rule has a narrow assessment scope and is easy to understand. A rule performs calculations based on the collected data about the application and its associated business, technology and IT infrastructure assets. Examples are the underlying server software, databases, operating systems or the other security relevance and critical business processes supported by this application.

Assessment rules are established building upon Txture's past cloud project experience. In new project settings, the rules can be adapted and prioritized by our partners in accordance with the client and in coordination with the Txture team. For example, industry-specific adaptations can be made to provide a tailored assessment experience for clients.

Application and IT Landscape Data

The application and IT landscape data is the second ingredient based on which the assessment rule calculations are carried out. To get a comprehensive picture of the application including the business, compliance, security, and technical aspects, Txture CT offers flexible collection of data via discovery, generic and vendor-specific connectors for all sorts of data sources like CMDBs, virtualization environments or in-house data management solutions. Additional information can be collected via integrated online surveys or graphical modeling to ensure data quality.

The Cloud Readiness Outcome



Cloud Readiness



Cloud Benefit



Migration Risk



Data Completeness

The central results of Txture's cloud readiness assessment are scores that describe how *cloud ready* the application is, how *beneficial* a migration would be and if increased *migration risk* is to be expected.

This overall result is composed of the individual scores calculated by individual assessment rules. Each sub-score can be examined to get detailed information about the analyzed characteristics of the application. To ensure data quality and completeness, Txture CT highlights missing information.

The overall cloud readiness of an application enables a quick insight into whether the application is ready for a transformation. The cloud benefit and migration risk scores help you to further prioritize your applications for cloud migration.

Finance Processing Application Migration State: Assessment completed | Migration Strategy: Replatform | Provider: Google Cloud | Close asset

Cloud Readiness Assessment Print Assessment

Data Completeness: Medium
Cloud Readiness: 95 / 100
Cloud Benefit: 47 / 100
Migration Risk: 42 / 100

Recommendations
 Migration Strategy: REPLATFORM | Migration Timing: Medium term | Landing Zone: Prefer private cloud

Assessment Preferences Edit Preferences

Manage your rule set, based on which your applications are assessed.

Make your selection

Migrate
Rehost
Replatform
Repurchase
Refactor

Other
Retire
Retain

Cloud Migration Timing
 Medium Term

Select

Assessment results of an application which shows the final scores in each of the four dimension Data Completeness, Cloud Readiness, Cloud Benefit and Migration Risk, as well as the recommended migration strategy and migration timing.

Migration Strategy Decision

In addition to the results explained so far, Txture generates a number of recommendations for migrating an application.

-  Migration Strategy

-  Migration Timing

-  Strategic Cloud Provider

Txture also shows which of the 6 R migration strategies is the most suitable for your application (Replatform, Rehost, Repurchase, Refactor, Retain & Retire). The migration timing recommendations show on a rough timeline when to phase-in the migration of the application. Additionally, the platform indicates which cloud provider is strategically suitable for the assessed application based on your defined cloud strategy. Different reports both on application and application portfolio level support the decision-making processes while progressing in the cloud journey.



Cloud readiness scoring of the entire application portfolio compared to potential benefits of moving application to the cloud. This report helps identifying quick wins and early migration candidates

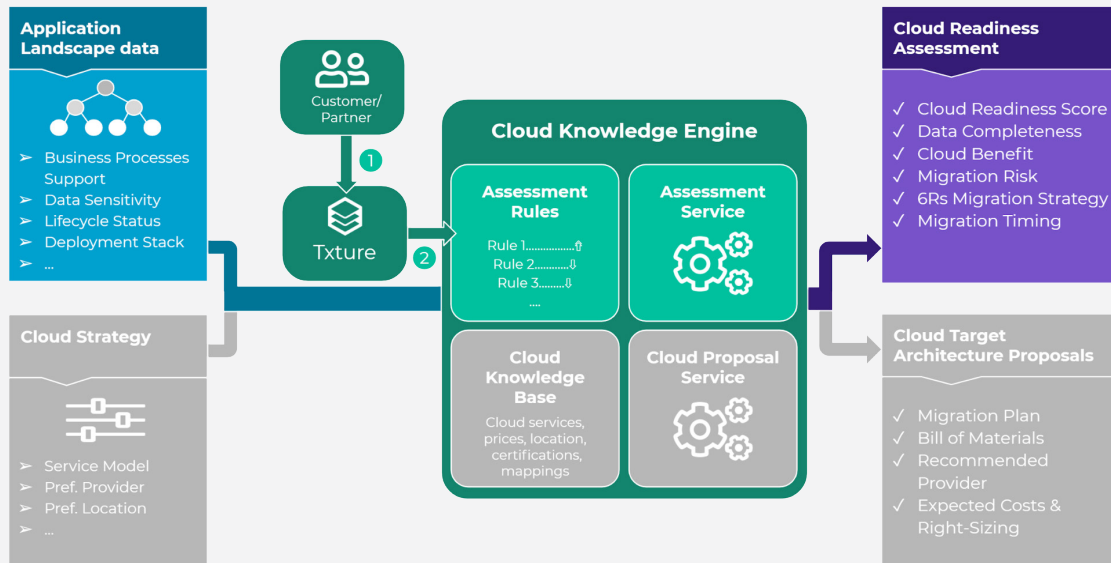


Figure 2: Data and activity flow in Txture CT to calculate cloud readiness scores, data completeness, cloud benefit, migration risk, 6Rs migration strategy and migration timing.

Assessment Rule Governance

The assessment rules are the central component to calculate your assessment scores (see Figure 2). The rules are assigned to four different categories: *application complexity*, *business perspective*, *technical configuration* or *data risk*. It is always specified which data is required to execute this rule and how the rule influences the overall assessment result. You can choose to adjust the weight of a rule or decide to deactivate a rule that is insignificant.

While a partner or client can select and prioritize assessment rules independently, customization involves the Txture team and is done in two steps:

1. Partner or customer creates suggestions for new assessment rule or adaptations to existing ones.
2. The Txture team updates the assessment rules accordingly. The assessment rules get unlocked as needed and are instantly available in the Txture CT installations for the customer.

The screenshot shows the 'Assessment Rule Governance' interface. It features a list of categories with their respective rule counts: 'Application complexity' (10/18 rules), 'Technical configuration' (29/63 rules), 'Business perspective' (21/38 rules), and 'Data risk' (9/18 rules). Two rules under 'Data risk' are expanded: 'Confidential information is stored' (Impact Medium) and 'Data has information security relevance' (Impact Medium). Each rule includes a description, 'Considered Data' (e.g., Database, Storage, Data, Application), and 'Rule Outcomes' (e.g., Migration Risk, Recommendations, Migration Strategy).

Key Takeaways for Cloud Readiness Assessment

- Cloud readiness assessment is based on assessment rules and the application and IT landscape data.
- Cloud readiness assessment is conducted automatically for all applications.
- The set of assessment rules is based on best practices and is both easily adaptable and extendable at runtime.
- Outcomes show readiness, benefit, risk and migration strategies (transparent calculations, easy to understand).
- Outcomes are provided per-application and on the application portfolio level.

Do you want more info about Cloud Readiness Assessment with Txture?
Just get in touch with us!

Get in touch