txture

TECHNICAL BRIEF

Cloud Readiness Assessment

The **Cloud Readiness Assessment** of large application landscapes is one of Txture's core use cases along the Cloud Transformation Journey. The Cloud Readiness of an application is a key indicator for all further transformation decisions and is calculated by Txture using a wide set of Assessment Rules that is centrally managed by Txture but allows to adapt the emphasis of the Assessment to customer-specific requirements.

The Cloud Readiness ingredients

Txture's Cloud Readiness Assessment service is using two ingredients to calculate an aggregated Cloud Readiness Score for each application:

- ✓ The set of **Assessment Rules** determines the Cloud Readiness of an application. Each rule assesses the application with regards to at least one aspect. In doing so, it performs calculations based on the information known about the application itself and associated assets, such as the deployment stack or critical business processes supported by this application.
  All Assessment Rules have been defined according to Txture's project experience. In a project setting the rules can be adapted by our partners in coordination with the Txture team. For example, industry-specific adaptations can be made to accommodate specific requirements.
- ✓ The **Application Landscape Data** is the second ingredient based on which the rule calculations are carried out. To get a comprehensive picture of the application including the business, compliance, security, and technical aspects, Txture collects data via discovery and connectors to internal data sources like CMDBs or virtualization environments. Further information can be collected via integrated surveys and modeling in the Txture repository to ensure data quality.

The Cloud Readiness outcome

The central result of Txture's Cloud Readiness Assessment is an overall **Cloud Readiness Score**. It describes how suitable the application is for the Cloud. This overall score is a combination out of several subscores. Each sub-score can be examined to get detailed information about the analyzed characteristics of the application. To ensure data quality and completeness, Txture highlights missing information. In addition to the Readiness Scores, the expected **Cloud Benefit** and **Migration Risk** provide further insights. Beyond that, recommendations with regards to **6Rs Migration Strategy** and **Migration Timing** are made.

Figure 1 shows the data flow for calculating applications' Cloud Readiness based on the set of Assessment Rules and the Application Landscape data.

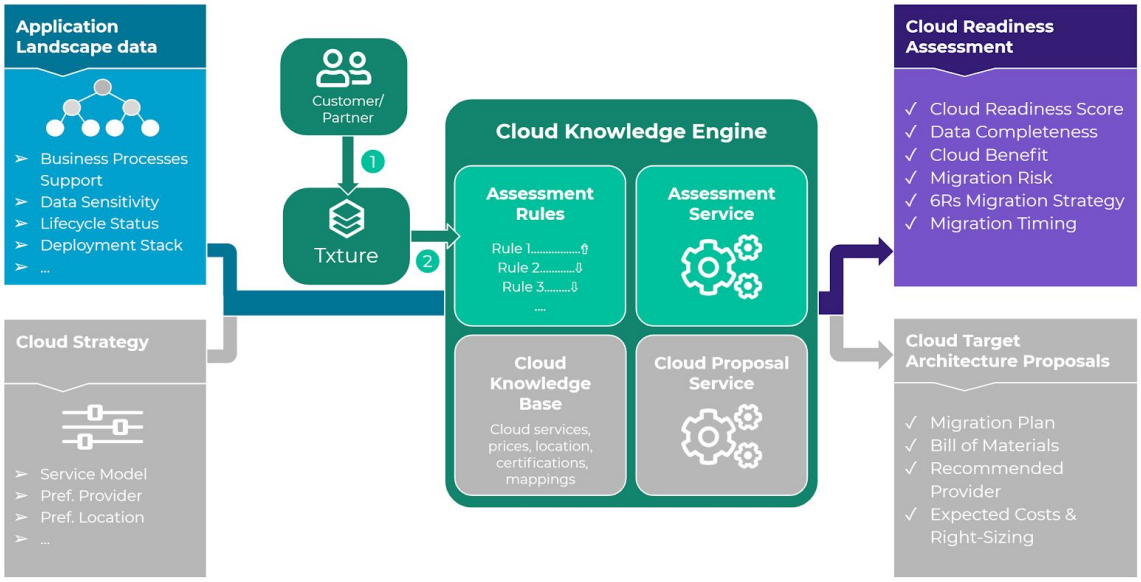

Figure 1: Data flow for calculating the Cloud Readiness.
For information about greyed out parts have a look at the technical brief on Txture's "Cloud Target Architecture Proposals".

How can the set of Assessment Rules be adapted?

Adaptations of the Assessment Rules are done in coordination with the Txture-team and are then immediately available in the Txture instance. This way, partners can easily adapt Assessment results on their consulting practice and customers have optimized the rules to meet their requirements for the Assessment.

The set of Assessment Rules can be customized in two steps:

1. Txture partner or customer creates suggestions for new rules or adaptations of existing ones.
2. The Txture-team updates the Assessment Rules accordingly. The rules are instantly available in the Txture instance on the client-side.

Key Takeaways for Cloud Readiness Assessment

- ✓ Cloud Readiness Assessment is based on Assessment Rules and the Application Landscape data.
- ✓ The set of Assessment Rules is based on best practices and are both, easily adaptable and extendable at runtime.
- ✓ Outcomes are easy to understand and calculations are transparent.