



Mainframe Application Latency Risk Assessment

Introduction

Many organizations using IBM mainframes today are considering these options:

- Data center consolidation
- Migration of non-mainframe systems to public cloud
- A cloud-connected mainframe located close to the cloud

Whatever path is being considered, it is not easy to identify and prioritize the applications and servers that can move independently or together without gaining a deeper understanding of:

- What are the specific risks of moving a mainframe-dependent system to the cloud?
- What application dependencies could affect migrating the mainframe out of the data center?
- How would an increase in latency affect the applications, and in turn, impact the business?

To avoid application performance issues and enable low-risk system migration, organizations need to identify and understand the dependencies between their mainframe and other systems across their estate. Ensono's Mainframe Application Latency Risk Assessment (*patent pending) helps clients plan their migration with confidence and deliver a clear path to digital acceleration and better business outcomes.



How the assessment works



STEP 1

To kick off Ensono's Mainframe Application Latency Risk Assessment, our experts will conduct an initial scoping meeting with the client's team members.

After this initial meeting, we will present a fixed-price proposal and statement of work based on the client's scope, which typically includes all the production LPARs at the organization. The assessment timeline from start to finish will vary depending on the number of applications and resources that are discovered during the assessment, but averages about three months.



STEP 2

Our expert mainframe consultants will execute a patent-pending assessment

by examining and measuring traffic profiles, interaction among specific mainframe services, volume, frequency, and comms classification. The initial allocation is based on remote IP location, high-level traffic profiles, and mainframe services being consumed.

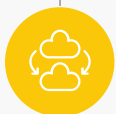
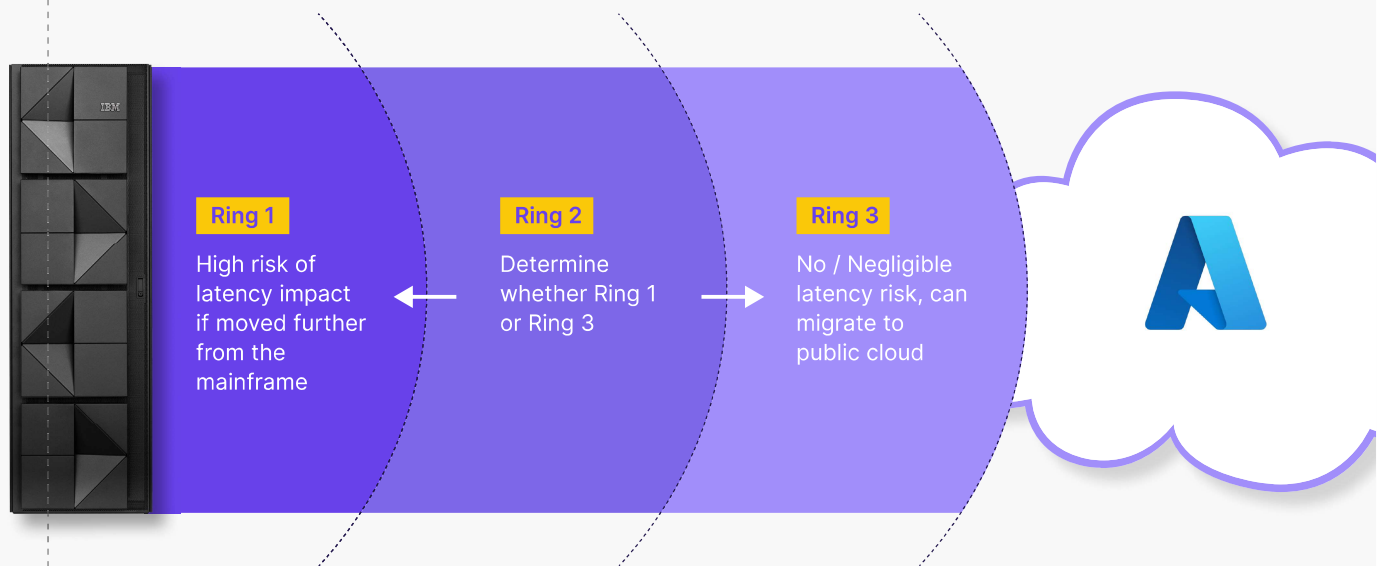


STEP 3

A comprehensive dataset and visualization of all client systems communicating with the mainframe over TCP/IP and interaction between MF LPARs will be prepared from the findings. Then, in collaboration with internal staff, we will map applications to systems and latency risk.

The mapping includes a rules-based allocation agreed-upon with the client. Ensono will create a report showing the applications with the highest latency impact if moved further away from the mainframe, as well as the applications with negligible latency risk that can migrate quickly to a public cloud.

Mainframe application latency risk assessment



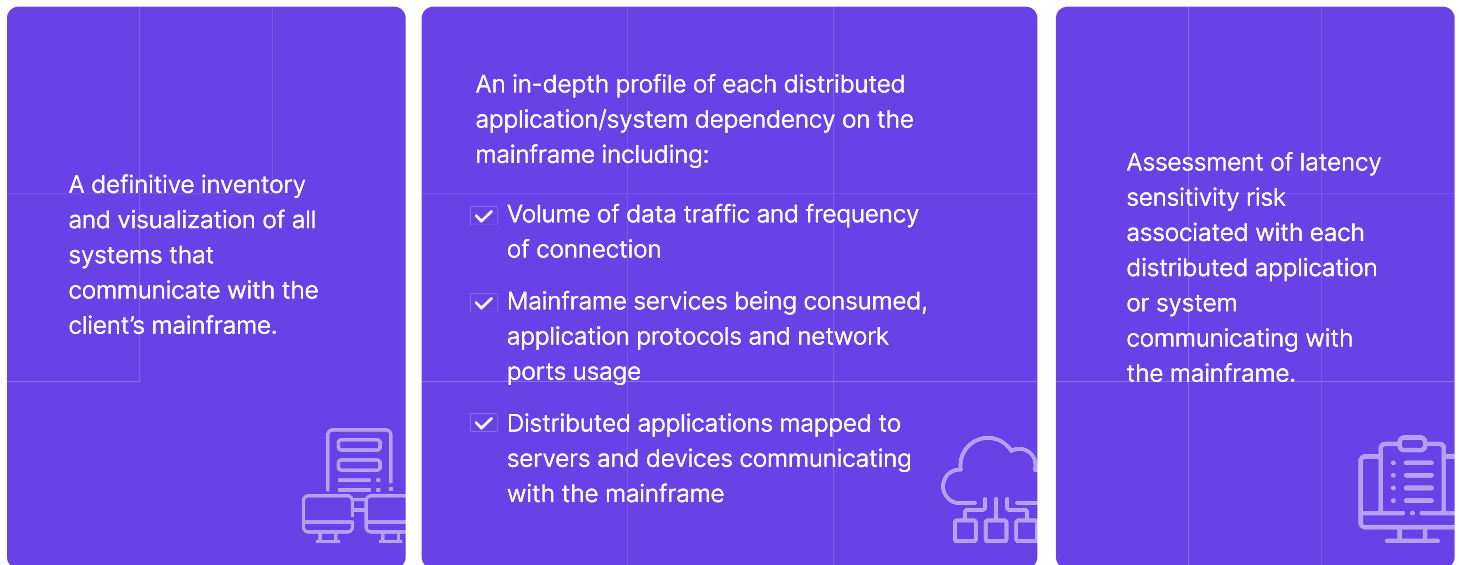
STEP 4

Conduct a joint review of the findings and insights in the Executive Report, during which Ensono and the client will drill down to the insights discovered in the assessment:

- Applications mapped to infrastructure, by latency risk
- Details of the applications with high-latency sensitivity (Ring 1 in diagram)
- Details of applications for early cloud migration (Ring 3 in diagram)
- Observations, anomalies, and risks identified during the analysis
- Identify residual Ring 2 for investigation/latency testing

Delivering actionable insights

The Mainframe Application Latency Risk Assessment delivers these key insights:



A definitive inventory and visualization of all systems that communicate with the client's mainframe.

An in-depth profile of each distributed application/system dependency on the mainframe including:

- ✓ Volume of data traffic and frequency of connection
- ✓ Mainframe services being consumed, application protocols and network ports usage
- ✓ Distributed applications mapped to servers and devices communicating with the mainframe

Assessment of latency sensitivity risk associated with each distributed application or system communicating with the mainframe.

The Mainframe Application Latency Risk Assessment reduces risk of application migration to cloud and accelerates data center exit and migration to a cloud-connected mainframe.

To learn more about the Mainframe Application Latency Risk Assessment, visit Ensono.com or contact your sales representative.