

Migration Readiness Assessment

| A successful cloud migration requires details. Syntax provides them.

It is better to measure twice and cut once. Modern computing, whether on-premises or in the cloud, is a complex process. When the decision has been made to migrate your SAP workloads to the AWS public cloud, you will massively lower risk through proper assessment and planning. The Migration Readiness Assessment is a deep investigation into detailing all the software, hardware, and networking on-premises and in the cloud, and the migration process itself. The result of the assessment is a clear report, documenting both the existing software environment and the needed destination architecture to support your business critical applications in the cloud.

What You Have

Syntax was one of the first SAP partners, and we support more than 500 SAP clients. We understand your ERP. The first step in any assessment is to clearly understand your existing ERP ecosystem, and that's not as easy as it sounds. For instance, what are the:

- Existing servers & logical connections (Including “adjacent workloads”)
- Core ERP applications in use
- Related applications that access and are accessed by SAP
- Required service levels

Think about the first bullet. Many on-premises organizations have “ghost servers”, hardware that has been added to the infrastructure but wasn't added to inventory lists. Not accounting for those can result in a cloud architecture that can't support the required performance.

The first three items in that list also bring up the need to truly identify all the software involved in supporting your SAP system. That means not only checking for ERP components that are in use but might have been forgotten, but also checking for workloads in related applications that must be supported. That support will need to include decisions if those workloads should migrate to the cloud or should remain on-premises but still linked to the cloud operations.

What Will Be

Once the existing systems and SLA requirements are documented, the assessment can move to the second phase. Syntax are experts in not only SAP, but also in AWS. We are an AWS Premium Consulting Partner, and our combined experience means we have earned an AWS SAP Competency.

What that means is that your existing infrastructure and requirements can be optimally translated into the needed AWS PaaS components to run your business applications according to the AWS Well-Architected Framework to deliver operational excellence, security, reliability, performance efficiency, and cost optimization.

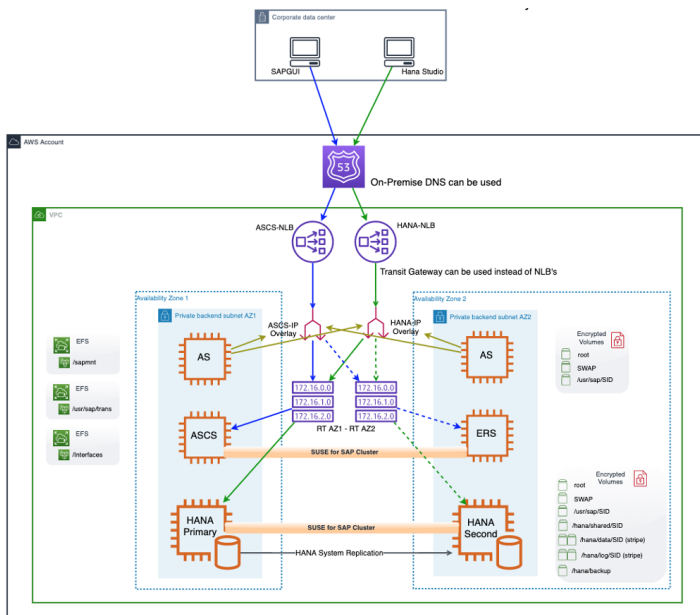
The Result

What is then delivered to the customer is a detailed report documenting both the “As Is” condition and the “Will Be” architecture. The report includes details in areas such as:

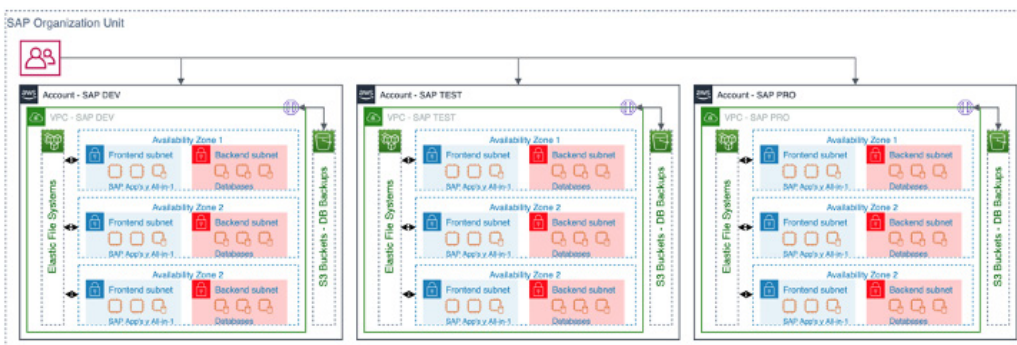
- Existing architecture
- Cloud architecture high level design
- Migration strategies
- Prioritization of environment migrations

The result is the documentation needed to proceed with accurate planning for migration, lower the risks of time delays and an incorrect cloud architecture.

For instance, the diagram below documents the planned system architecture for a high-availability SAP HANA system.



Another sample deliverable is the following image describing the SAP organizational unit needed to build the subnet infrastructure to support separate development, test and production environments in the AWS Cloud.



Having documented the full analysis of the existing systems and the necessary AWS platform services, the migration process can proceed to the planning phase with confidence. Syntax also provides planning and migration services to make your ERP entry into the cloud as smooth and low risk as possible.