Cloud Readiness Assessment

Service Definition Document

Sopra Steria



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1 About Sopra Steria

1.1 Overview

About Sopra Steria

Sopra Steria, a major Tech player in Europe with 50,000 employees in nearly 30 countries, is recognised for its consulting, digital services and solutions. It helps its clients drive their digital transformation and obtain tangible and sustainable benefits. The Group provides end-to-end solutions to make large companies and organisations more competitive by combining in-depth knowledge of a wide range of business sectors and innovative technologies with a collaborative approach. Sopra Steria places people at the heart of everything it does and is committed to putting digital to work for its clients in order to build a positive future for all. In 2024, the Group generated revenues of €5.8 billion.

The world is how we shape it

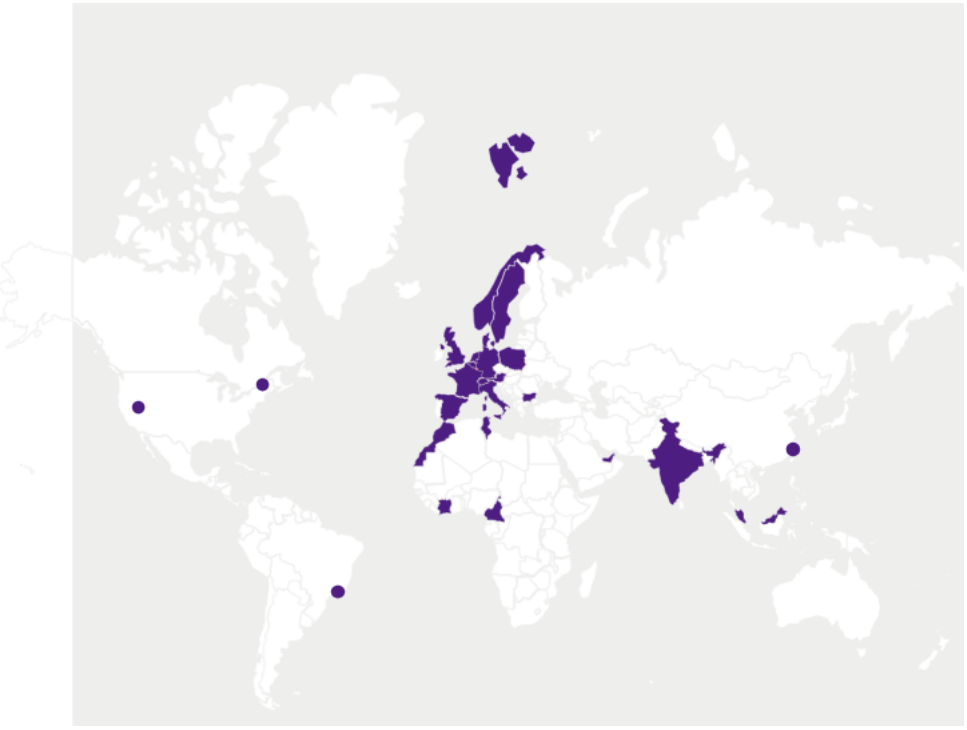
Sopra Steria (SOP) is listed on Euronext Paris (Compartment A) – ISIN: FR0000050809 For more information, visit us at www.soprasteria.com

50,000
employees

€5.8bn
2024 revenue

Top 5
European digital services companies

In nearly
30
countries



1.2 Our Cloud Capability

Sopra Steria Cloud Practice brings together leading digital, cloud and engineering expertise to accelerate transformation for our clients.

- Delivering comprehensive digital and cloud transformation, including strategic consulting, change management, large-scale migration, application modernisation, next-generation development and secure, optimised operations
- Integrating deep capability across applications, data, infrastructure, cloud platforms and security, supported by industrialised assets to enable solutions across Private, Public, Hybrid and Sovereign Cloud environments
- Using an end-to-end cloud delivery model that integrates business, engineering, security and operations, ensuring continuous innovation, strong governance, and measurable business value throughout the full cloud lifecycle.

1.3 Our Credentials

Capacity

More than 15,000 cloud experts in 30 countries (Vision, Ops, Design, Scale)

Market recognitions

- **Large account** (best category>$250m) **in the "Public Sector Industry Cloud Landscape"** (Forrester)
- **Leader "Cloud public in Europe" & " Next Gen Private & Hybrid Cloud"** (ISG)
- **Leader "Cloud Infra Brokerage"** (NelsonHall)
- **Best in Class "Azure" & "SAP" & "Service Now"** (PAC Radar)
- **Leader "Cloud Native Application" & "Application Transformation Services"** (Quadrant)
- **Major Contender "Cloud Services" & "Cloud Native Applications" & "Services on AWS Azure & CGP"** (Everest)

Key partners

NumSpot, Google Cloud, Oracle Cloud, IBM Cloud, Scaleway, vmware, aws, Microsoft Azure, Visa, OVHcloud, redhat, OUTSCALE

Main market recognitions

2nd in IT Services in France and 10th in EMEA*

Cybersecurity	Digital	AI	IT for Green	Cloud
• **Leader "Cyber resiliency services"** (NelsonHall) • **Leader "cybersecurity" in France & Germany** (ISG) • **Top 5 "cybersecurity" in France** (Markess)	• **Leader "Application Transformation Services"** (Quadrant) • **Leader "Digital Banking"** (NelsonHall) • **Leader "Digital Banking Services"** (ISG) • **Major Contender "Digital twin Services"** (Everest) • **Innovator "Digital Manufacturing"** (NelsonHall)	• **Leader AI Services & Gen AI** (PAC Innovation Radar) • **Leader AI Services** (Quadrant) • **Leader "Intelligence Process Automation"** (Quadrant) • **Major player "European Professional Services for Data-Drive"** (IDC) • **Major contenders "AI services" & "Intelligent Process Automation services"** (Everest)	• **Leader "ESG for Banking Services"** (NelsonHall) • **Best in class "consulting and digital services for sustainable development"** (PAC Innovation Radar) • **Major Contender "NetZero Consulting Services"** (Everest)	• **Large account (best category>$250m) in the "Public Sector Industry Cloud Landscape"** (Forrester) • **Leader "Cloud Infra Brokerage"** (NelsonHall) • **Best in Class "Azure" & "SAP" & "Service Now"** (PAC Radar) • **Leader "Cloud Native Application" & "Application Transformation Services"** (Quadrant) • **Leader "Cloud public in Europe" & " Next Gen Private & Hybrid Cloud"** (ISG) • **Major Contender "Cloud Services" &"Cloud Native Applications" & "Services on AWS Azure & CGP"** (Everest)

PAC, IDC, ISG, Quadrant, Everest Group PEAK MATRIX, NelsonHall, FORRESTER, exægis

* Source PAC 2024

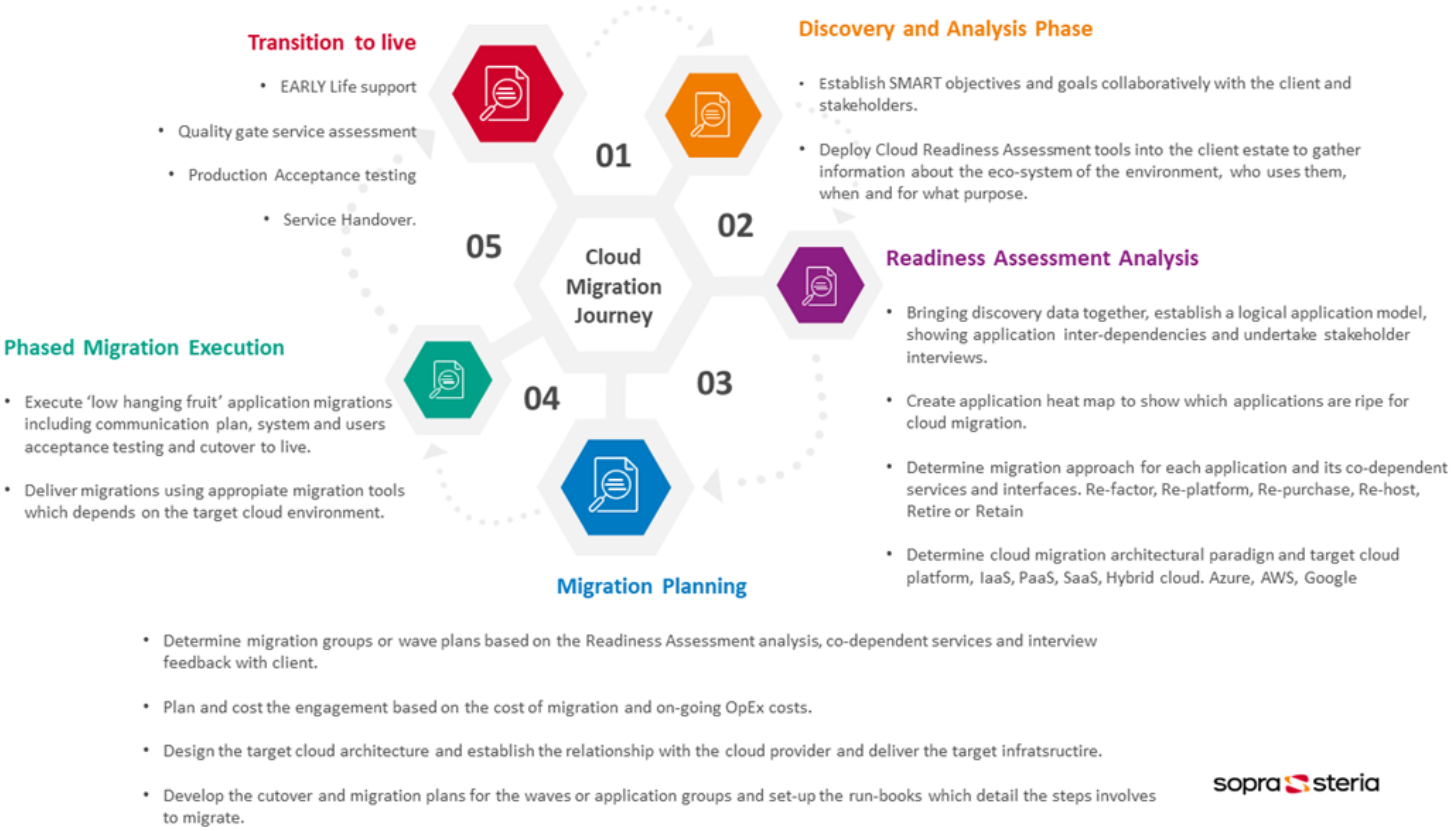
2 Service Overview

2.1 Service Description

By leveraging Cloud expertise and deploying assessment tools and processes, a cloud readiness assessment exercise, is a controlled process and engagement, where a thorough initial assessment of an organisations I.T estate is undertaken to determine operational readiness, application discovery and assessments. The primary objective is to provide the customer with a gap-analysis and a list of applications or business services that can be moved to the cloud in a controlled and efficient manner, to gain the benefits of reduced TCO, service availability, elasticity, and durability inherent in cloud infrastructures.

After an initial project kick-off where full requirements and scope is determined, a collector tool is deployed within the source environment where specific protocol for both Windows and Linux/Unix endpoints to enable asset gathering are enabled internally. Once a comprehensive asset model is gathered by the tooling, licences on a 'burst model' are deployed which would typically be a month to 3 months depending on the scale of the source environment. Releasing the licensing enables detailed interdependences between infrastructure assets and service groupings are determined to understand application stacks. This allows a migration wave plan to be understood so that interdependent application stacks can be migrated together in phases. A heat map is created within the assessment tool showing which applications are ready or suitable for Cloud along with nominal operation costs of the target cloud environment so that a before and after comparison can be made. The target environment can be shown in a number of different cloud vendor offerings, principally AWS and Azure.

Typical products to use involve either Cloud Vendor native assessment tools, or CloudScape for example and will depend on the customers environment and requirement.



2.2 Features

- Sopra Steria Cloud Architects can deploy specialist Cloud Readiness tools which instigate a discovery process designed to provide a complete view of the customers IT environment by building a comprehensive asset view that contains network devices, routers, switches, Windows and Linux Servers and the relationships and inter-connectivity between these devices, as well as detailed asset information. Using auto-application grouping capability, the toolset can group servers into application groups although some due diligence is also required using 'local knowledge.'
- From this application-centric view, Cloud Readiness Tools identify 'low hanging fruit' for migration while giving score values to indicate PaaS (Platform as a Service), Re-factor, Re-platform, Re-purchase, Re-host, Retire or Retain. The tool gives a clear view as to which applications and services are candidates for migration whether it be into AWS, Google, Azure or other Cloud environments.
  Applications targeted for migration are then evaluated for rightsizing in the Cloud showing Instance, Storage, Storage I/O and Network costs. Once evaluated, a formal migration strategy can be executed using popular migration tools, even if a Hybrid model is in place. After migration, continue to monitor performance with continuous trend analysis.

2.3 Benefits

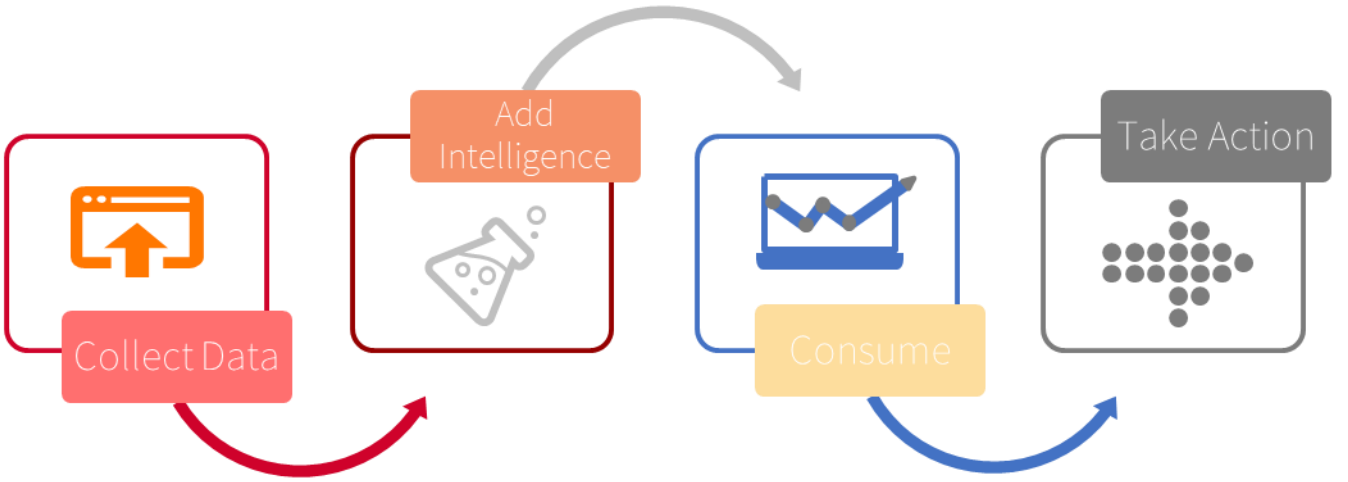
Performing a Cloud Readiness Assessment achieves numerous benefits to customers, including:

- Strategic Roadmap - Gain a clear and customised roadmap for the customer cloud migration journey
- Cost Optimisation - Understand the operational costs associated with the current 'as-is' CapEx / OpEx model, the assessment provides insights into potential cost savings from the key cloud vendors, optimizing resource utilisation and ensuring a cost-effective transition
- Performance Enhancement - Improve the performance of applications and systems by identifying bottlenecks in the current infrastructure by assessing real time traffic and workload over the discovery period. The assessment provides recommendations for optimizing performance in the cloud environment
- Scalability and Flexibility - Determine the scalability and flexibility improvements that a cloud migration would offer to the current paradigm
- Application Rationalisation - The assessment helps prioritise which applications are suitable for migration, retirement, or replacement or re-factor
- Compliance Alignment - The assessment identifies any compliance concerns and provides strategies for meeting regulatory requirements
- Vendor-agnostic Recommendations - Receive unbiased and vendor-agnostic recommendations for the best-suited cloud services and providers based on business requirements and goals

In summary - This focuses primarily on the Assessment or discovery phase of the journey to moving to cloud; however, the Cloud Migration Service we offer considers the execution of the migration. A cloud migration assessment takes the cloud readiness assessment to the next level by showing the approach to planning and migration. After assessment, a system or service will be earmarked for one of six typical courses, namely, Re-factor, Re-platform, Re-purchase, Re-host, Retire and Retain.

2.4 Our Approach

Our Cloud Readiness Assessment with combines advanced tools and expert methodologies to provide a holistic view of your organisation's readiness for the cloud. Through a systematic process, we analyse existing infrastructure, applications, and data to identify key factors that impact the migration strategy. A high level view of the stages is illustrated below:



- Agentless Collection
- Single Virtual Appliance collection point
- Massive Scale with little impact
- On-Prem data retention
- Windows, Linux, Unix, Vmware, Databases, Cloud Instances

- Automated Application Stack Grouping / Discovery
- Application Rationalization
- Client Consumption by Location
- Advanced Visualization
- Cloud Pricing
- Develop migration plan

- Interactive Analytics
- Self Help Reporting Modules
- Actionable Deliverables
- RESTful API

- SI Focus, Enterprise design
- Migration with Velostrata / Rivermeadow / CloudEndure / CloudVelox or cloud native migration tools (AWS Migration Hub)
- Update Serviceow CMDB via xml plugin to the Servicenow console

2.5 Inputs

We would expect the following inputs from you as part of this service:

- **Infrastructure Details:** Comprehensive information about the existing on-premises infrastructure, including servers, networking equipment, storage systems, and datacentres
- **Application Inventory:** An inventory of all applications currently running in the on-premises environment, including their dependencies, usage patterns, and criticality to business operations although this may not be strictly necessary since the Cloud Readiness Assessment tool sets will determine this through its discovery phase
- **Data Volume and Usage:** Insights into the volume and usage patterns of data stored in the on-premises environment, including databases, file shares, and other data repositories
- **Business Requirements:** Clear understanding of the business objectives, regulatory requirements, and any specific constraints or considerations that may impact the cloud migration strategy
- **Security and Compliance Requirements:** Details of security policies, compliance standards and any specific security controls or configurations that need to be maintained in the cloud environment
- **Budgetary Constraints:** Information about budgetary constraints and cost considerations associated with the cloud migration project
- **Technical Expertise:** Access to internal IT personnel or technical experts who can provide insights into the current infrastructure, applications, and operational processes

This is a high-level list and is not exhaustive. If you cannot provide all these inputs, then we can discuss altering our approach to accommodate your situation.

2.6 Outputs & Deliverables

Some of the outputs and deliverables generated from the service are identified below:

- **Assessment Report:** A comprehensive report detailing the findings of the assessment, including an analysis of the current on-premises environment's readiness for cloud migration (Asset gathering into a CMDB). This report may include:
    - Summary of assessment objectives and scope
    - Overview of the existing infrastructure, applications, and data
    - Assessment of cloud readiness factors such as performance, scalability, security, and compliance
    - Identification of potential migration challenges, risks, and dependencies
    - Recommendations for migration strategies, migration wave or grouping planning and next steps
- **Cloud Migration Strategy:** A tailored migration strategy outlining the recommended approach for migrating specific workloads, applications, and data to the cloud. This strategy may include:
    - Proposed migration paths (e.g., re-hosting, re-platforming, re-architecting)
    - Prioritisation of workloads based on business requirements and technical feasibility derived from the Assessment results and analysis
    - Considerations for hybrid cloud deployments, if applicable
    - High-level timeline and milestones for the migration project
- **Technical Architecture Design:** Detailed cloud architecture design depicting the target state architecture for the cloud environment. This design may include:
    - Definition of cloud resources (e.g., virtual machines, storage, networking)
    - Network architecture and connectivity requirements
    - Security controls and configurations
    - Considerations for high availability, disaster recovery, and scalability
- **Data Migration Plan:** A structured plan for migrating data from on-premises systems to the cloud. This plan typically includes:
    - Data discovery and classification
    - Data transfer methods and tools
    - Data validation and integrity checks
    - Downtime minimisation strategies
- **Cost Analysis:** Estimation of the costs associated with migrating to the cloud, including:
    - Infrastructure provisioning costs
    - Data transfer and storage costs
    - Licensing and subscription fees
    - Operational expenses
- **Risk Assessment and Mitigation Plan:** Identification of potential risks and challenges associated with the cloud migration project, along with proposed mitigation strategies and contingency plans
- **Executive Summary:** A concise summary highlighting key findings, recommendations, and implications of

the Cloud Readiness Assessment for executive stakeholders

This is a high-level list and is not exhaustive.

2.7 Certifications & Skills

Some of our certifications and skills related to this service are identified below:

- Cloud Architecture
- Cloud Solution Engineering
- Application Development
- DevSecOps

This is a high-level list and is not exhaustive.

3 Pricing

Please refer to the Pricing Document for this Service.

4 Next Steps

4.1 Contact

Please contact us if you would like to know more about any of our listings on G-Cloud.

Email: sector-support@soprasteria.com

As all of our G-Cloud enquiries initially come into a single contact, please remember to tell us:

- Your name, your organisation name and contact details
- Which service you are enquiring about
- A brief summary of your requirements or problem statements that you would like support to address.

4.2 More Information

More information about our services and capabilities can be found on our website here.

