

ADOPTING CLOUD TO IMPROVE AGILITY, COST & RELIABILITY

MOVE TO CLOUD ASSESSMENT FOR A STATUTORY FINANCIAL SERVICES ENTITY



The client is a European, operationally independent body set up to protect clients of financial services firms that have failed



Client objectives

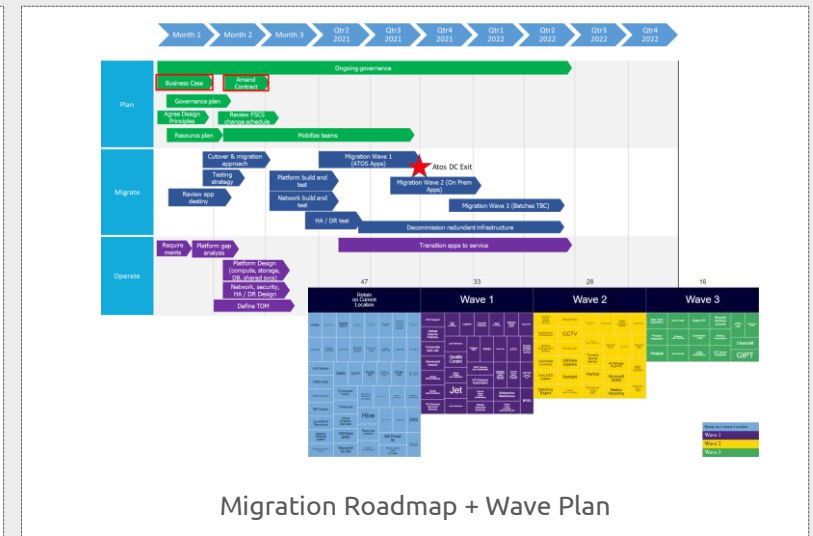
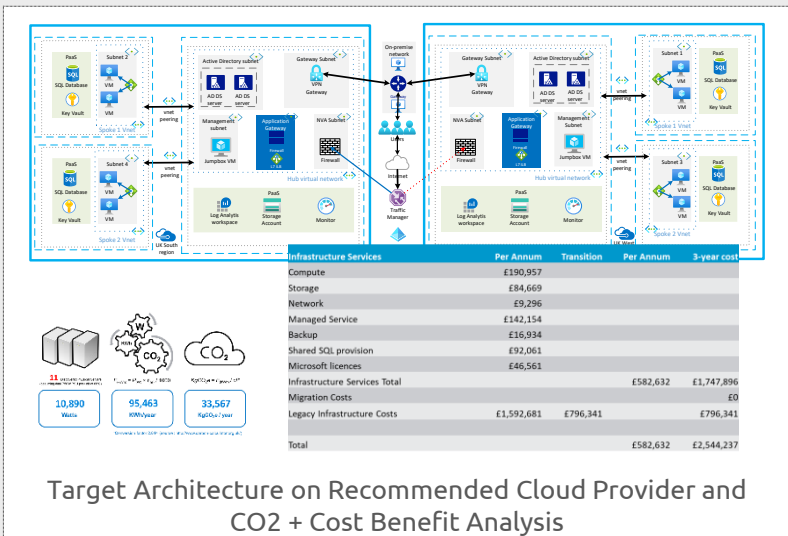
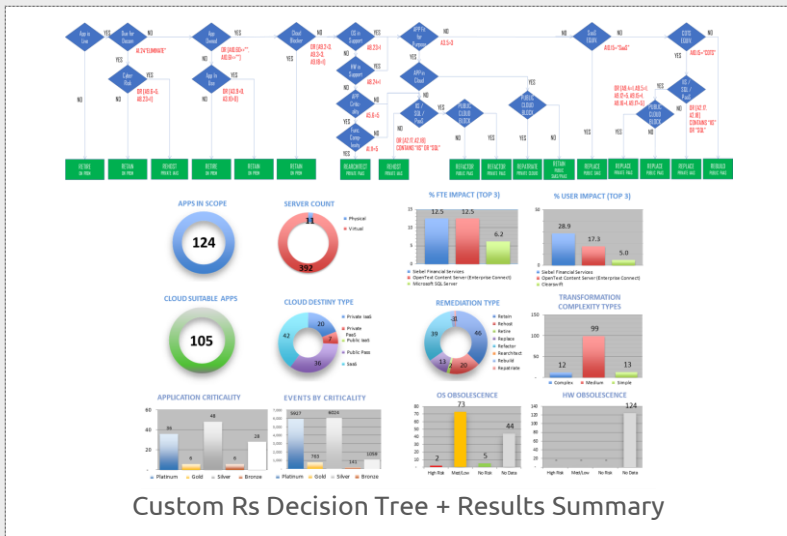
- Given the uncertain market conditions, the client wanted to enhance their ability to react and scale quickly when financial institutions fail, which is the core service they provide
- The client pursued a strategy of adopting cloud technologies (public cloud first) in order to enable agility, optimize costs, increase reliability, and provide the scalability required for service delivery without excessive up-front expenditure

Assessment outcomes

- Assessed the suitability of applications & their R destiny based on the logic built with the client
- 22 apps are unable to migrate to the cloud due to blockers; 77 were found suitable for migration (22 Rehost, 39 Refactor, 13 Replace, 3 Rebuild)
- Evaluated Azure, AWS and GCP options for public cloud from a business case perspective before recommending Azure based on cost + existing relationship – run cost saving of 46% over 3 years
- Delivered a migration plan– 3 waves over 12 months - along with approximate costs

Assessment in

- 124 applications across 5 business domains
- 283 physical & virtual servers of which 47 were Dev/Test and other non-production environments and not evaluated as per client request
- Cloudamize was used as an auto-discovery tool for the infrastructure
- Current 3rd Party hosting costs ~€1.78M/Year
- Duration: ~10 Weeks overall



USE CLOUD TO IMPROVE IT EFFICIENCY & AGILITY

MOVE TO CLOUD ASSESSMENT FOR A STATE OWNED BANK



The Client is a full service universal bank and the biggest Landesbank for some Federal States of Germany



Client objectives

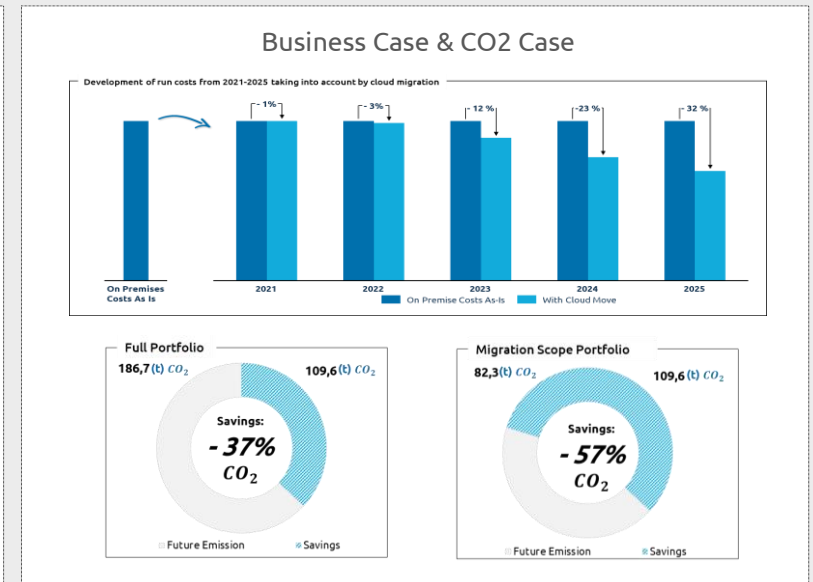
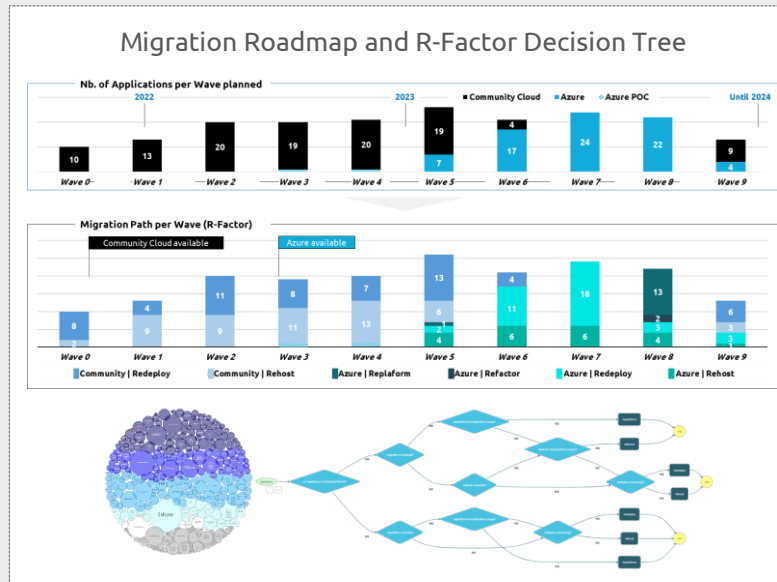
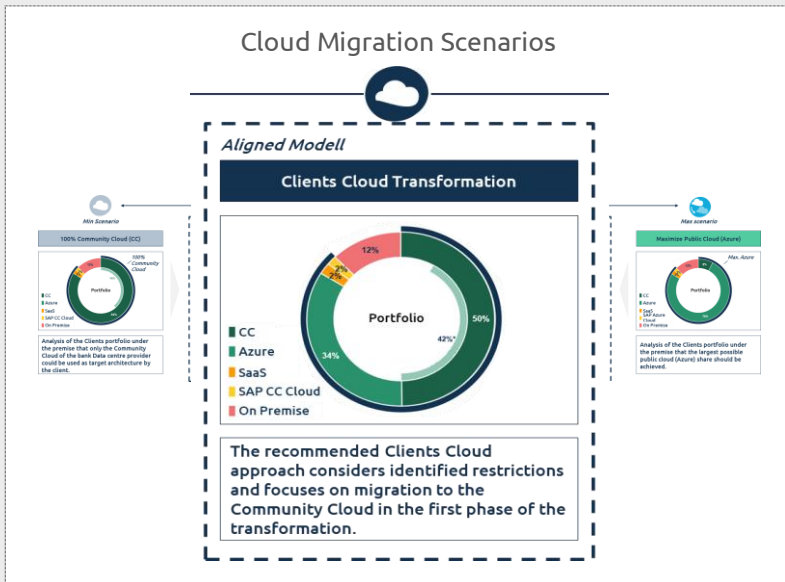
- Bank had launched a big program to improve IT efficiency to reduce costs & improve agility – move to cloud is key
- Move to cloud initiative based on two pillars: Community Cloud, Public Cloud Azure
- Given the current IT maturity levels, the application analysis had to evaluate different cloud scenarios to support management decisions: migrating 100% into the community cloud or maximizing the public cloud percentage or a balanced approach

Assessment outcomes

- The recommended Clients Cloud approach considers identified restrictions and their cloud maturity. In the first phase of the transformation the migration into the Community Cloud was prioritized
- An initial focus on the community cloud enables savings by 2022. Greater savings will be achieved with migrations to Azure starting in 2023 with ~32 % savings
- ~37 % CO2 Savings on the full portfolio can be archived (On the migration scope it is up to ~ 57 %)

Assessment in

- 274 business apps & ~2200 servers out of the overall IT estate were shortlisted; €39 M in IT run costs
- 150+ application managers mobilized during the data collection with 96% completion rate
- 5 major workshops and 50+ interviews conducted; 85 customized D-trees aligned with customers architects and implemented
- Duration: effectively 12 weeks end to end (data completion by online survey)



CLOUD AS A DRIVER TO REDUCE RISK AND COST

MOVE TO CLOUD ASSESSMENT FOR A HEALTH INSURER



The client is a non-profit, member-focused health insurance company that serves communities in the heart of America

Client business goals

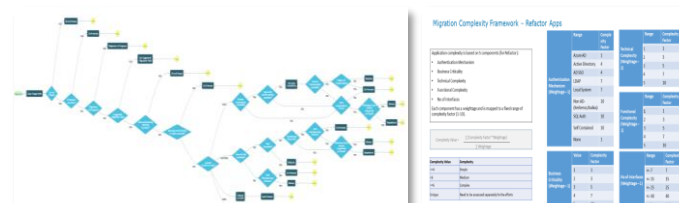
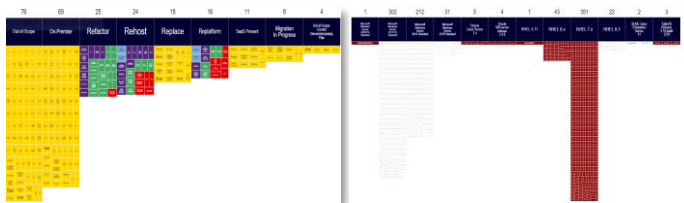
The client wanted to reduce the business risks due to legacy infrastructure (performance, availability and obsolescence (40% was found to be obsolete)). They were looking to craft their cloud migration roadmap and business case together with opportunities to right size their landscape and achieve cost efficiency

Capgemini approach

- Conducted automated infrastructure discovery and performance collection using **Cloudscape**
- Used **Clear Sight ITDM** for data collection and portfolio analysis to identify eligibility, target Azure cloud platform, migration pattern and migration complexity
- Delivered a high level business case with migration plan & right-sizing

Results delivered

- 175 apps 977 servers** were analyzed & a specific cloud strategy (5Rs) was determined - **106 apps and 507 servers** identified for migration
- ROI of 69%** (savings) achievable over 3 years based on the plan delivered
- Estimated **40% reduction in CO2e emissions** as a result of the migration
- Recommendations to **improve governance and operations**





CLOUD AS A DRIVER FOR FASTER DIGITAL GROWTH

APPLICATION & INFRA MODERNIZATION AND CLOUD MIGRATION ASSESSMENT FOR A TV NETWORK



The client is an American free-to-air TV network and flagship shopping channel specializing in televised home shopping



Client objectives

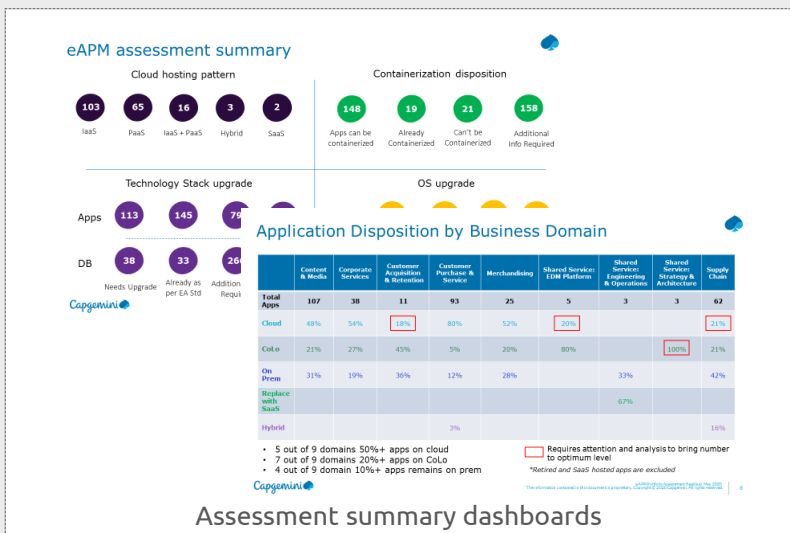
- Digital and mobile channels represent a growing % of revenues, leveraging on the strong brand and connect from the traditional TV sales channel. The client was looking to modernize their applications stack and leverage the power of the cloud to optimize the time to market for new value added products and services
- As part of this assignment, they wanted a cloud suitability analysis including 6Rs migration pattern, wave plan and the b-case

Assessment outcomes

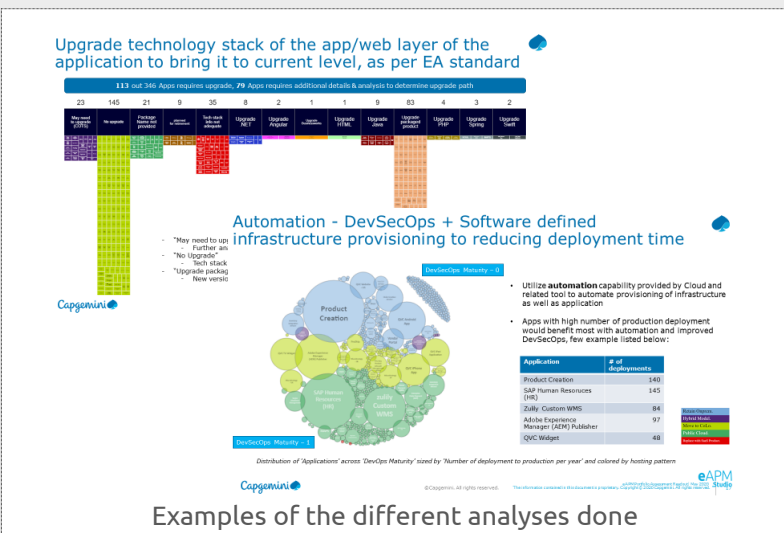
- A methodical process was used to develop a multi-phase plan for 346 non-SaaS apps
- Analysis included modernization options for tech stack, database and operating system as well as containerization options before migration
- 55% of the apps were found suitable for migration to Azure + PaaS; 26% on prem and 19% for CoLo
- Determination of the best fit migration pattern per app (6Rs) – 85 for Re-platform, 102 for Rehost
- Business case shows a 50% average hosting cost saving using Azure for 187 cloudable apps

Assessment in #s

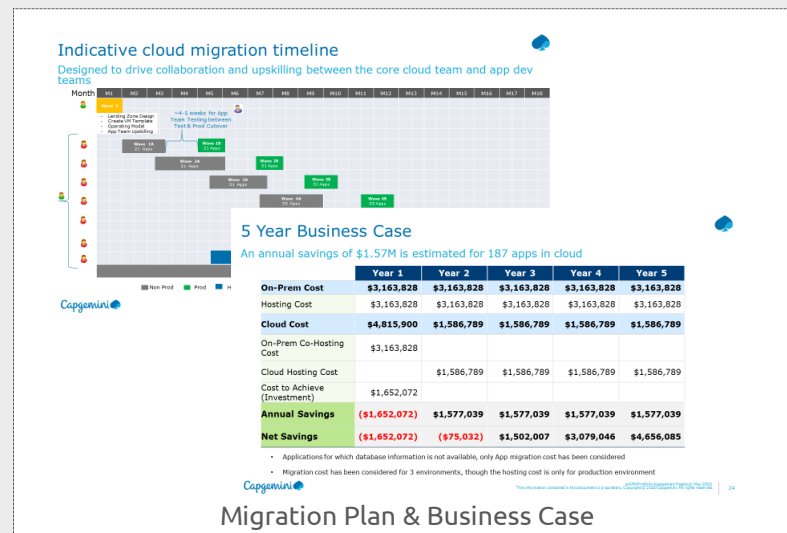
- 393 applications across 9 functional domains included in the analysis
- These were IT owned apps across US, UK, Germany and Italy markets having 'Enhance' or 'Maintain' rationalization disposition
- Of these only 165 apps server & DB info mapped on ServiceNow – Discovery proposed before migration
- Current hosting cost has been extrapolated based on info available for 72 apps for b-case
- Duration : 16 weeks end to end



Assessment summary dashboards



Examples of the different analyses done



Migration Plan & Business Case

SIMPLIFICATION AND TRANSFORMATION OF THE CORE IT

SAP LANDSCAPE RATIONALIZATION FOR A PHARMA MAJOR

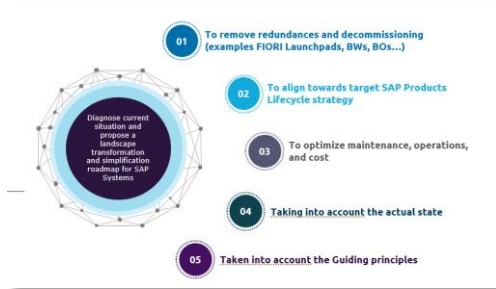


The client is a French multinational pharmaceutical and healthcare company, which is engaged in the discovery, development, manufacturing, and marketing of a wide range of medicines and vaccines



Client objectives

As part of its digital transformation, the client has embarked on a global program to **implement SAP S4/HANA as its digital ERP core solution**. The Capgemini team was engaged to diagnose the current situation and propose a landscape transformation and simplification roadmap for the SAP systems & optimize the overall operating model



Scope and Capgemini approach

The 3 month project included a baseline of **~60 applications, 340 prod SAP instance components, 554 production servers** covering **7 functional domains** with a **TCO of 44.4M€**. The client's rationalization standards helped defining the remediation roadmap using Clear Sight iTDM. Analysis included identifying technical & functional redundancies, obsolescence, move to cloud (Azure) and proposing a transformation roadmap

Remediation actions to be considered at business application level

TOLERATE	DECOMMISSION	UPGRADE	MIGRATE	TRANSFORM
<p>No action is taken</p> <p>Obsolescence risk is accepted. This could be an option if risk is contained or the impact limited (e.g., if the application is not a risk, not connected to the enterprise network). A tech modernization action will be required at some stage but could be postponed, in favor of other higher priority actions.</p>	<p>Rationalize / decommission</p> <p>(eliminate the obsolescence issue by getting rid of the application is not used, or if it can be replaced by another one)</p>	<p>Resolve the obsolescence issue through technical upgrades</p> <p>On premise, remediation actions such as OS patching, OS upgrade, Database upgrade.</p> <p>Not always possible as it may have knock-on impact on the software running on them (question of forward/backward compatibility)</p>	<p>Migrate the application to the cloud, or to another platform.</p> <p>Typical cloud migration options:</p> <ul style="list-style-type: none"> Relocate (lift & shift) Rehost Replatform Refactor Retain (leave) Retire (decommission) Repurchase (re-transform) 	<p>Transform or replace the application with a new solution (with functional impact for the business) which inherently address the obsolescence issue.</p> <p>Examples:</p> <ul style="list-style-type: none"> Shift (replace aging SAP systems with a modern future proof ERP platform)

Results delivered

- Delivered a roadmap until 2027 during which period 41 apps would be decommissioned and the rest would be transformed or migrated
- Net resultant **cost saving** of up to **24.8M€** from the transformation plan
- Detailed analysis and final remediations per application and components & the CO2 footprint

