
CLOUD GOVERNANCE

ISACA - round table

v1.0 | 2-12-2019



weolcan.
Architects for the Digital Enterprise



Weolcan Value Proposition

We deliver Expert Knowledge and Advisory Services

CLOUD STRATEGY



CLOUD GOVERNANCE



CLOUD AUTOMATION



Klanten Portfolio



Industry & Utility

THALES

STEDIN.NET

Heineken

LELY

DELTA

portbase®

NXP

MARLINK
Connect smarter. Anywhere.



Finance

ING

AEGON

***BINCKBANK**

knab®

five°degrees
the fintech engineers

Government



Rijkswaterstaat
Ministerie van Infrastructuur en Milieu



PROVINCIE
FLEVOLAND



Provincie
Noord-Holland



gemeente
Haarlemmermeer



EINDHOVEN



gemeente
Stichtse Vecht

MSP / ICT / Media

kpn

Deloitte.

KPMG

cegeka

npo

**BAUHAUS
ARTITECH**

i3 GROEP
FUNDAMENTEEL BETER

ilionx
Your partner in digital business

ISV / SaaS

= exact

Nmbrs®

able

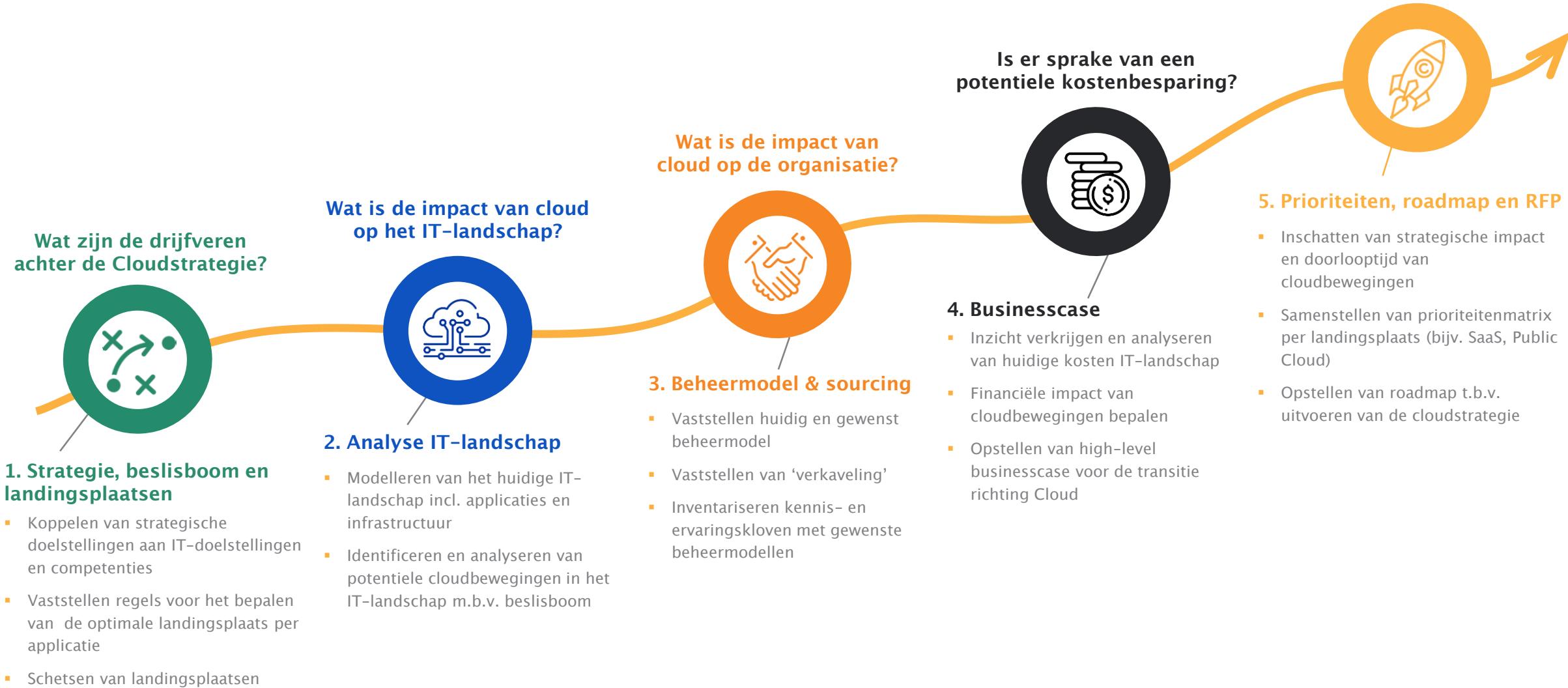
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Een strategische en gestructureerde aanpak naar Cloud

Realiseren van nieuwe, kritieke vaardigheden, het optimaliseren van het bestaande landschap, het reduceren van 'technical debt' en daar waar mogelijk innoveren



Hoe en waar te beginnen?



02

STRATEGIC DRIVERS

Wat drijft het gebruik van cloudtechnologie?

Innovation or Reducing Technical Debt?

What drives your cloud strategy?

Investments into innovation drive top line revenue



Migration of existing applications results in cost savings

Source: AWS re:Invent 2017

Top-line and Bottom line Strategic Drivers



Support accelerated time to market and “Agile way” of working



Digital Innovation through capabilities of modern platforms
(The New Normal)

Top-line

Bottom Line



Scalability up & down,
introduce pay as you use model
(Exploratory, start small)



Lower (low) cost alternatives

Source: Weolcan research

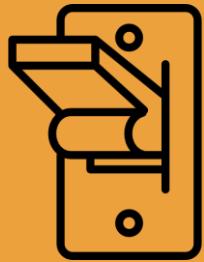
03

APPLICATIELANDSCHAP ALS STARTPUNT

Aan de hand van Application Lifecycle Model



Budget
constraints



Keeping the
lights on



Lack of
skills or
resources



Politics

There is an elephant in the room!

Keeping the lights on

Implementation vs Recurring Operational costs of Applications:

Implementation costs: development en integration



Euro 100.000,-

Recurring Operational costs:

 11% Maintenance: bug fixing, performance tuning

Euro 11.000,-

 14% Operate: updates, upgrades, helpdesk, hardware, infra

Euro 14.000,-

 17% Enhancements: adapt to new requirements, new features

Euro 17.000,-

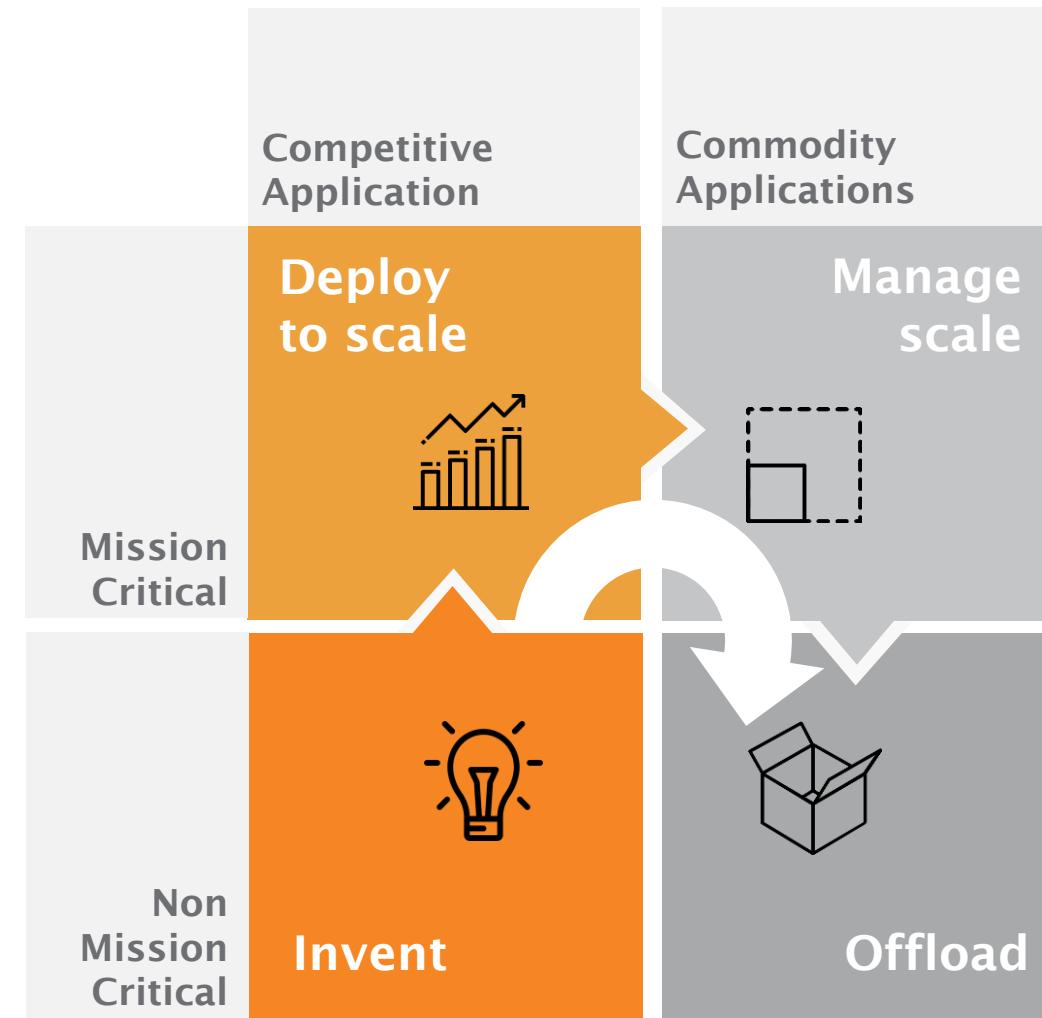
 Total yearly costs:

Euro 42.000,-

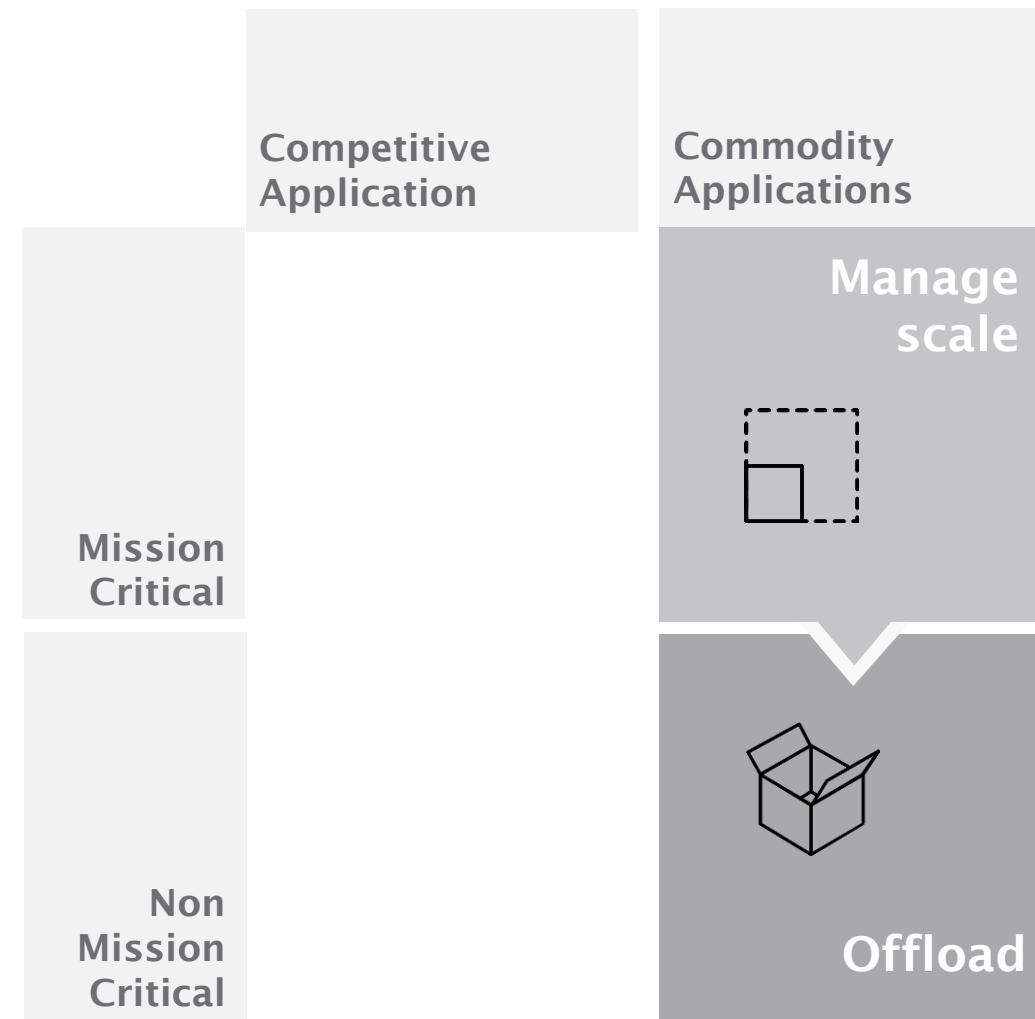


Source: Gartner "A framework for the lifetime Total Cost of Ownership of Applications"

Mapping Applications

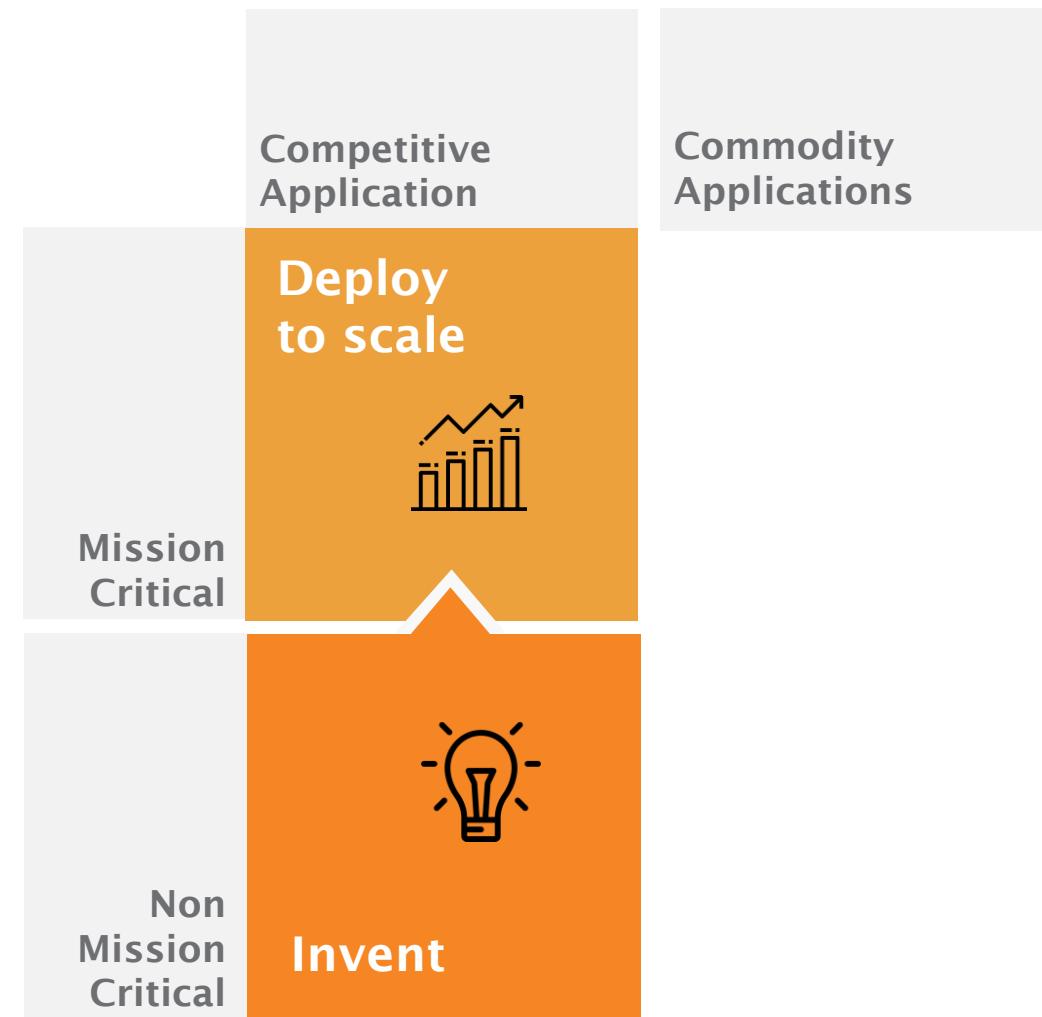


Commodity Applications



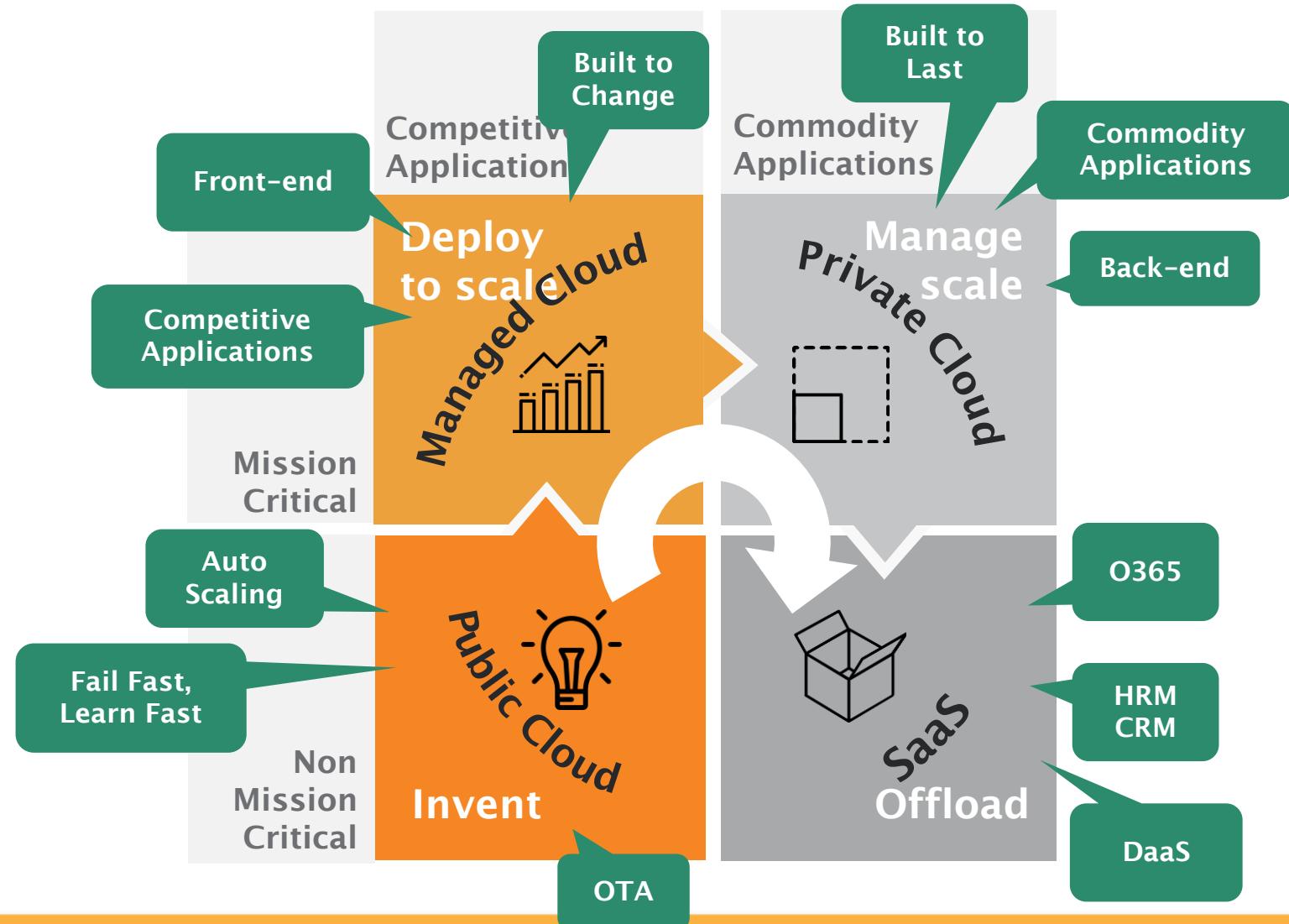
Step 1.
Move Commodity
Applications to the
Cloud.

Competitive Applications



Step 2.
Move time, budget and
brains to Competitive
Applications.

To Be mapping



04

DRIE ONMISBARE STAPPEN BIJ EEN CLOUDSTRATEGIE

Strategie, Beslisboom en Landingsplaatsen

Strategy, Decision Tree & Landing zones

Mapping the relation between Hybrid IT Strategy and strategic business goals.

Guiding the transition from a traditional enterprise to a modern enterprise.



Strategy, Decision Tree & Landing zones

Mapping the relation between Hybrid IT Strategy and strategic business goals.

Guiding the transition from a traditional enterprise to a modern enterprise.



The need for a clear vision on IT

Forms the basis for a structured analysis of the application landscape in order to determine the optimal endstate.

Guarantees alignment between strategic goals and Hybrid IT Strategy.

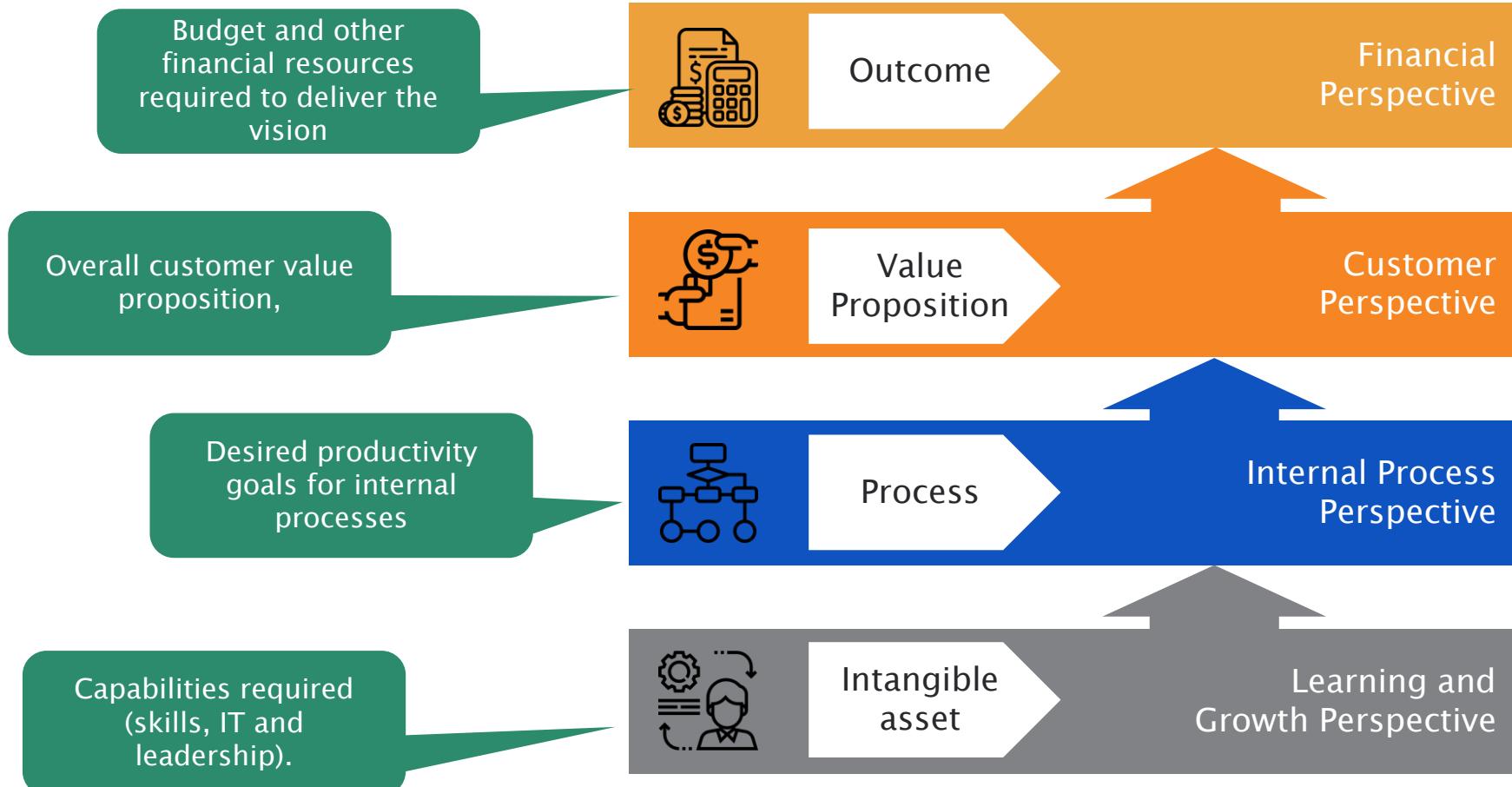
Affixes the drive to transform from traditional to a modern enterprise.



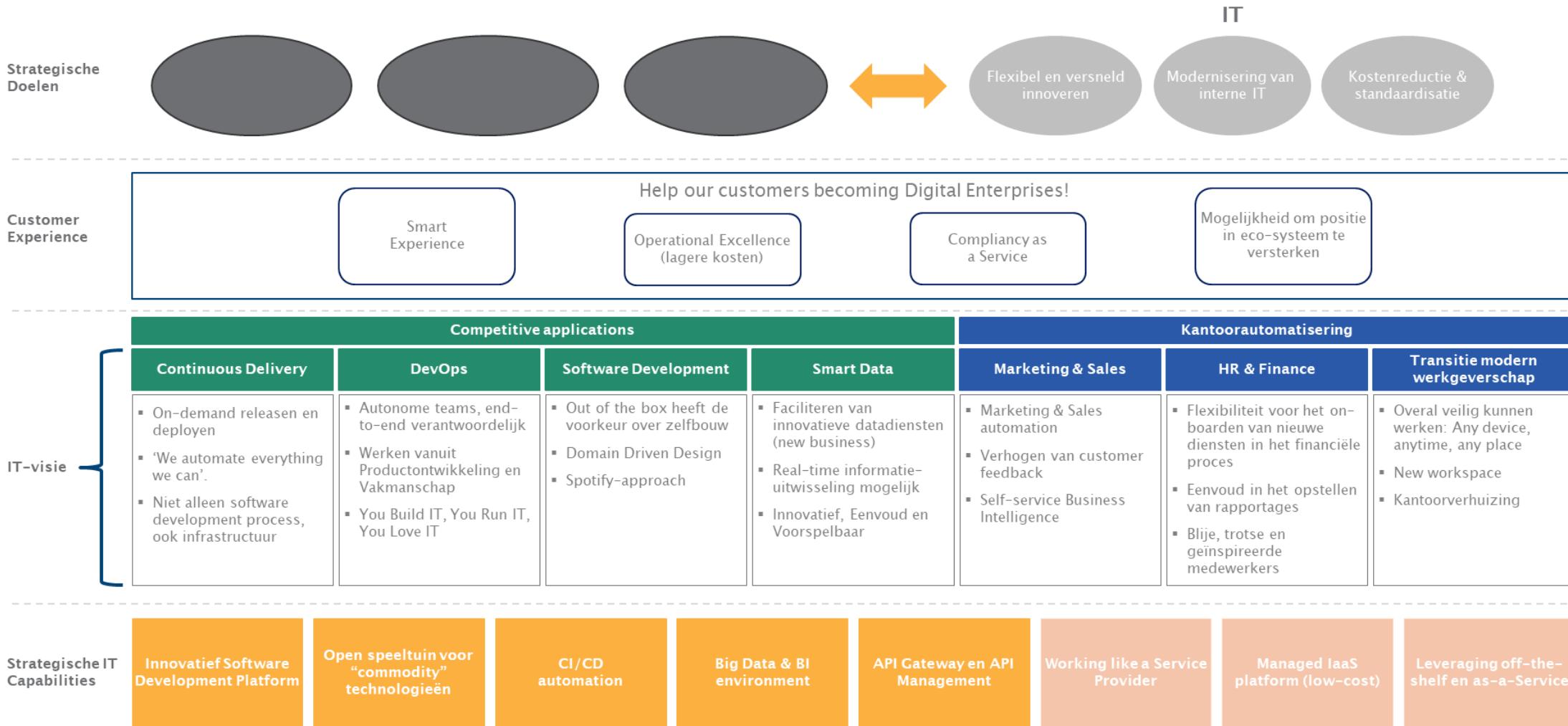
What is a Strategy Map?

'A visual framework for a strategy'

A good strategy map will link together:



Strategy Map Example



Strategy, Decision Tree & Landing zones

Mapping the relation between Hybrid IT Strategy and strategic business goals.

Guiding the transition from a traditional enterprise to a modern enterprise.



Decision Tree (Beslisboom)

The systematic and uniform analysis of applications or bundles of applications with the help of a decision tree.

Identify strategic motives and benefits and fit into decision tree.

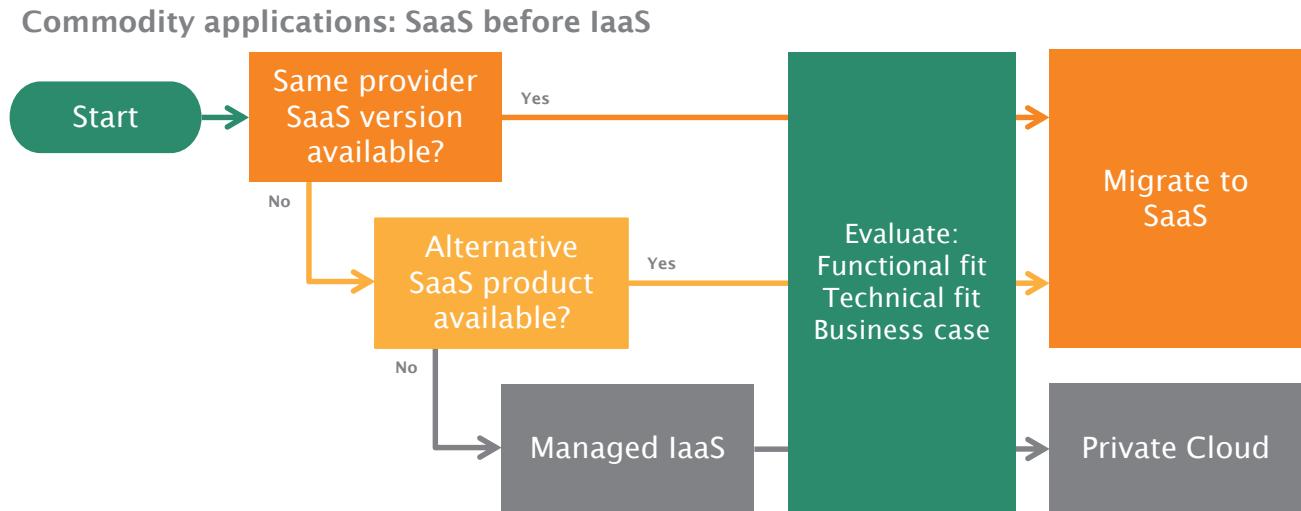
Identify Requirements CIA classifications
Checklist Technical analysis, including cloud readiness.

Determine the integration of Business cases.
Integration of theoretical concepts (i.e. multi-speed IT, DevOps).

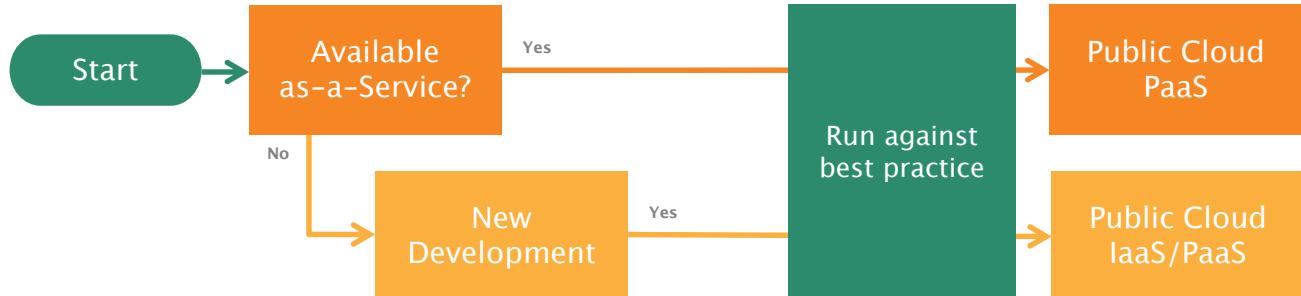
User Story – Decision Tree



"As an employee of the CCoE, I want to be able to determine in a uniform manner which landing zone for an application best fits the strategy. I need a decision model that guides me through the options in a structured way."



Competitive applications: PaaS before IaaS



Strategy, Decision Tree & Landing zones

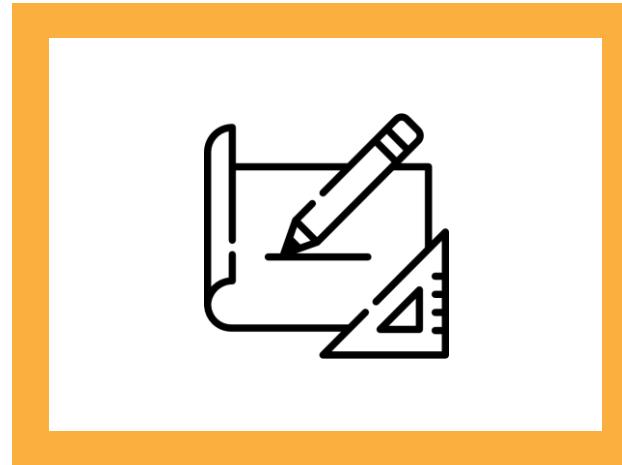
Mapping the relation between Hybrid IT Strategy and strategic business goals.

Guiding the transition from a traditional enterprise to a modern enterprise.



Landing Zone preparation

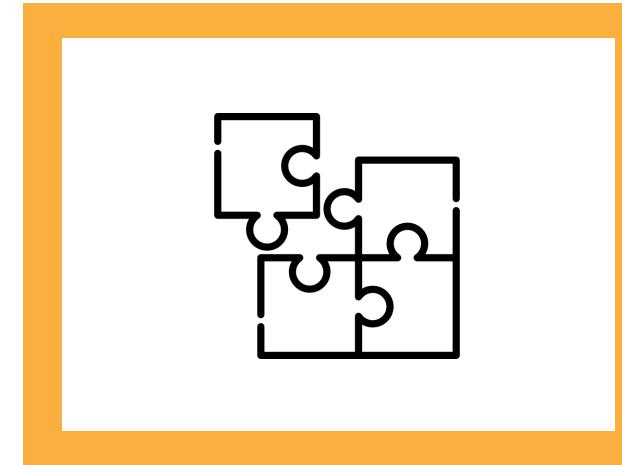
A foundation for your Enterprise migration



Current Application
Architecture.

Current Network
Architecture.

Design principles.



Connectivity to the
Cloud-platforms.

Application integration.



Enterprise view on cloud.

Tooling & Support.

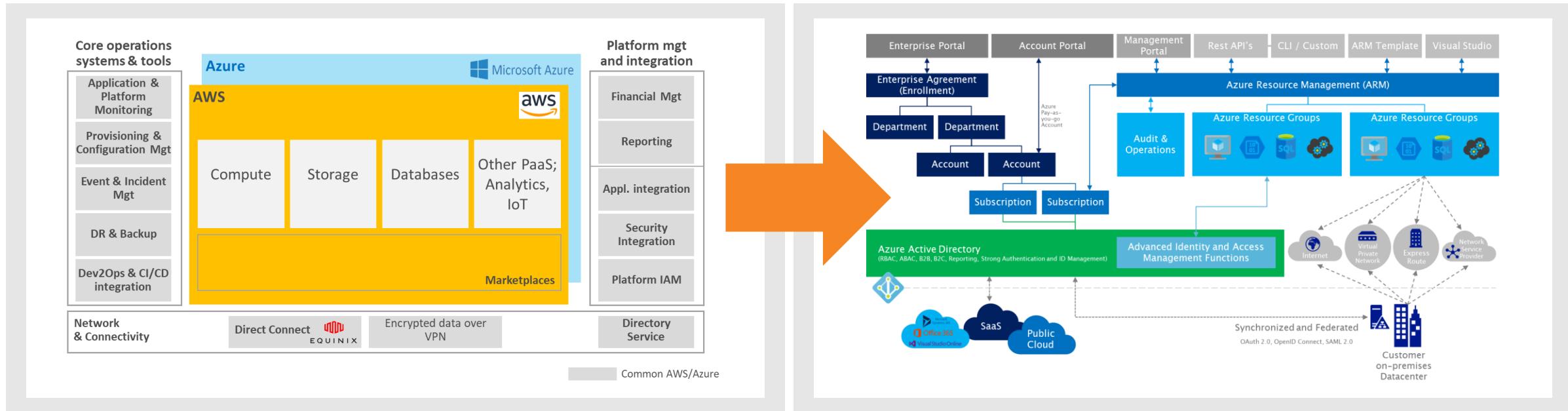
Intersection of various
landing zones.

Landing Zone Design

Requirements and capabilities per platform.

Alignment with MSP platforms/models.

High-level design.



05

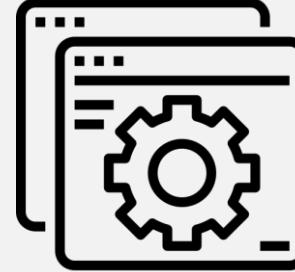
BUSINESSCASE

Vier redenen om een businesscase te maken



Inschatting van de financiële impact van Cloud

1



Financiële impact per applicatie.
Cloud is een middel, géén doel op zich

2



Mate waarin transitie uit besparingen bekostigd kan worden

3



Belangrijke beslisinformatie voor management (ROI)

4

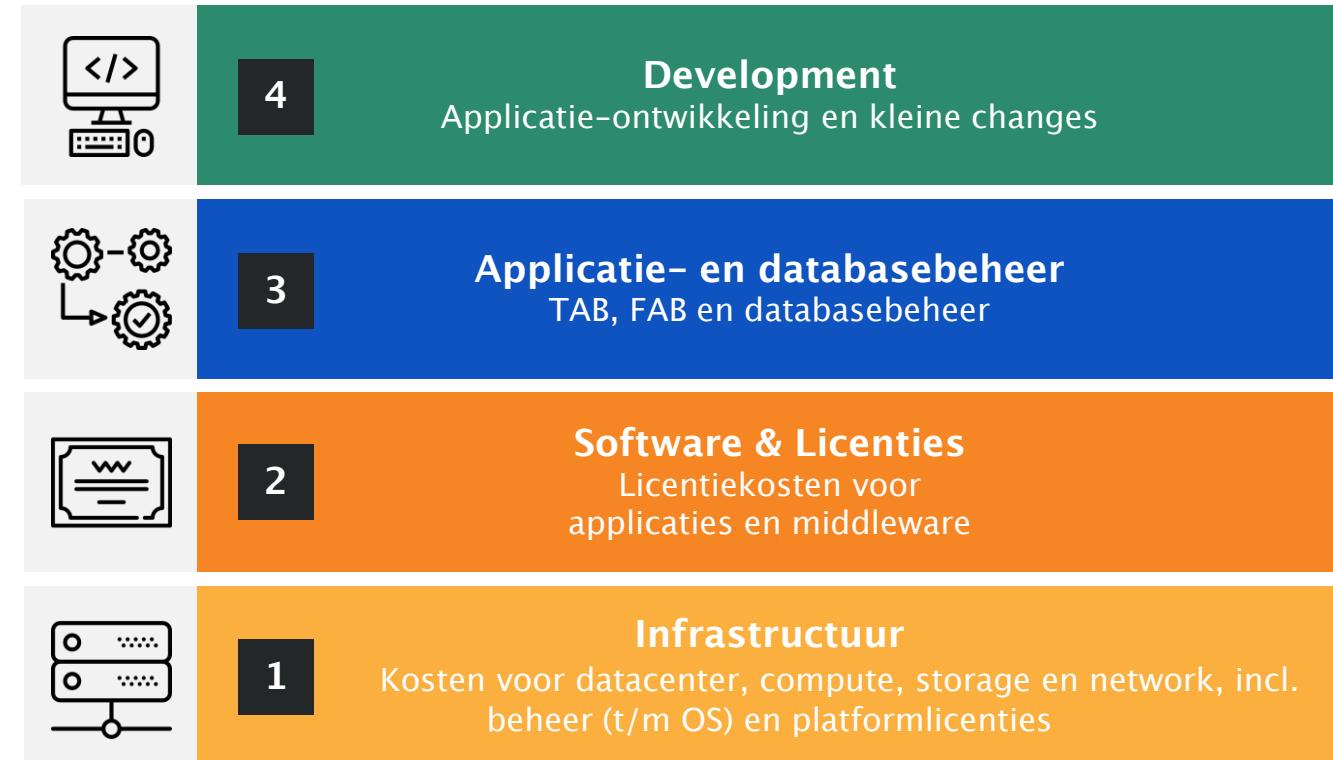
Financial Baseline: inzicht in de huidige kosten



Wat kost een applicatie?

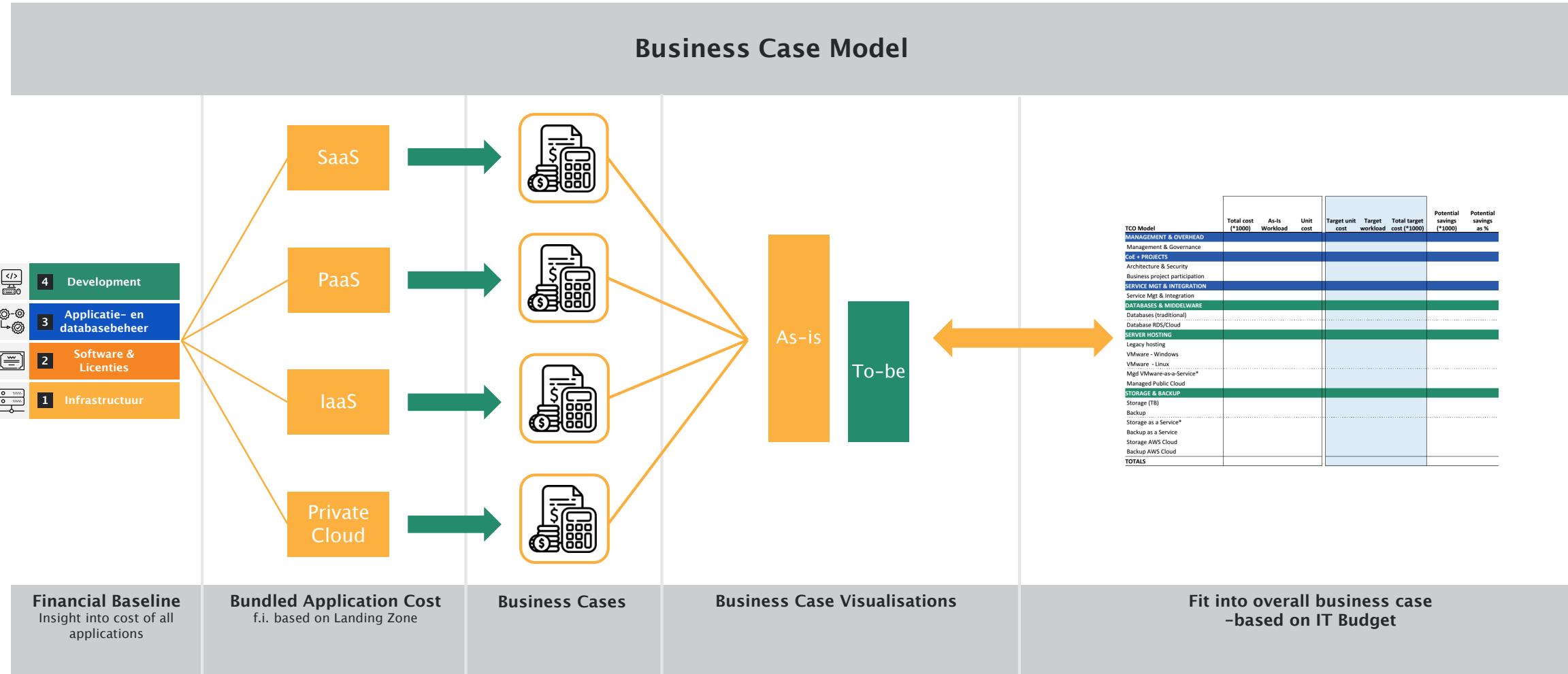
Hoeveel geef je uit aan een
Windowsserver op VMware incl.
SQL-Database?

Gebruikskosten van een applicatie in vier logische lagen



~ **Gebruikskosten** – jaarlijkse kosten per applicatie voor het ‘draaien’, beheren en begeleiden van die applicatie gedurende de applicatielevenscyclus.

Business Case Model



TCO-perspectief biedt inzicht in financiële impact cloud

TCO Model	Total cost (*1000)	As-Is Workload	Unit cost	Target unit cost	Target workload	Total target cost (*1000)	Potential savings (*1000)	Potential savings as %
MANAGEMENT & OVERHEAD								
Management & Governance								
CoE + PROJECTS								
Architecture & Security								
Business project participation								
SERVICE MGT & INTEGRATION								
Service Mgt & Integration								
DATABASES & MIDDLEWARE								
Databases (traditional)								
Database RDS/Cloud								
SERVER HOSTING								
Legacy hosting								
VMware - Windows								
VMware - Linux								
Mgd VMware-as-a-Service*								
Managed Public Cloud								
STORAGE & BACKUP								
Storage (TB)								
Backup								
Storage as a Service*								
Backup as a Service								
Storage AWS Cloud								
Backup AWS Cloud								
TOTALS								

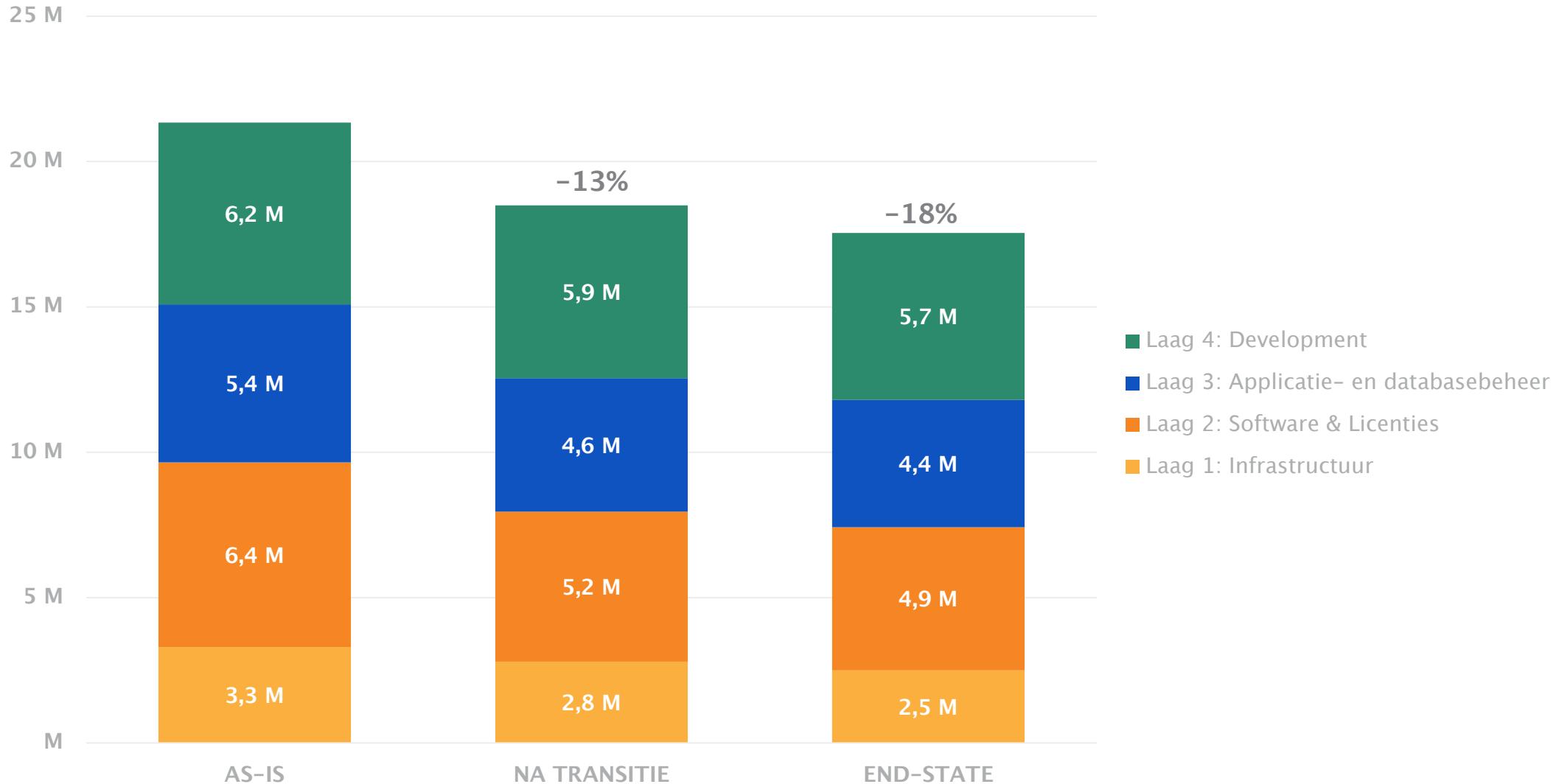
 Change and Business Applications
 RUN

- TCO model can be used to for calculating **as-is** versus **to-be** costs.
- Don't forget to include '**transition and transformation**' cost in the business case.
- Analyze the needed internal/external workforce/FTE to facilitate transition and migration.
- Analyze the impact of cloud, transformation costs and migration scenarios and **report observations**.



Voorbeelddoorsnede overall businesscase

GEBRUIKSKOSTEN VOOR APPLICATIELANDSCHAP AS-IS, NA RETRANSITIE EN IN END-STATE



Inzicht op applicatienniveau als beslisinformatie

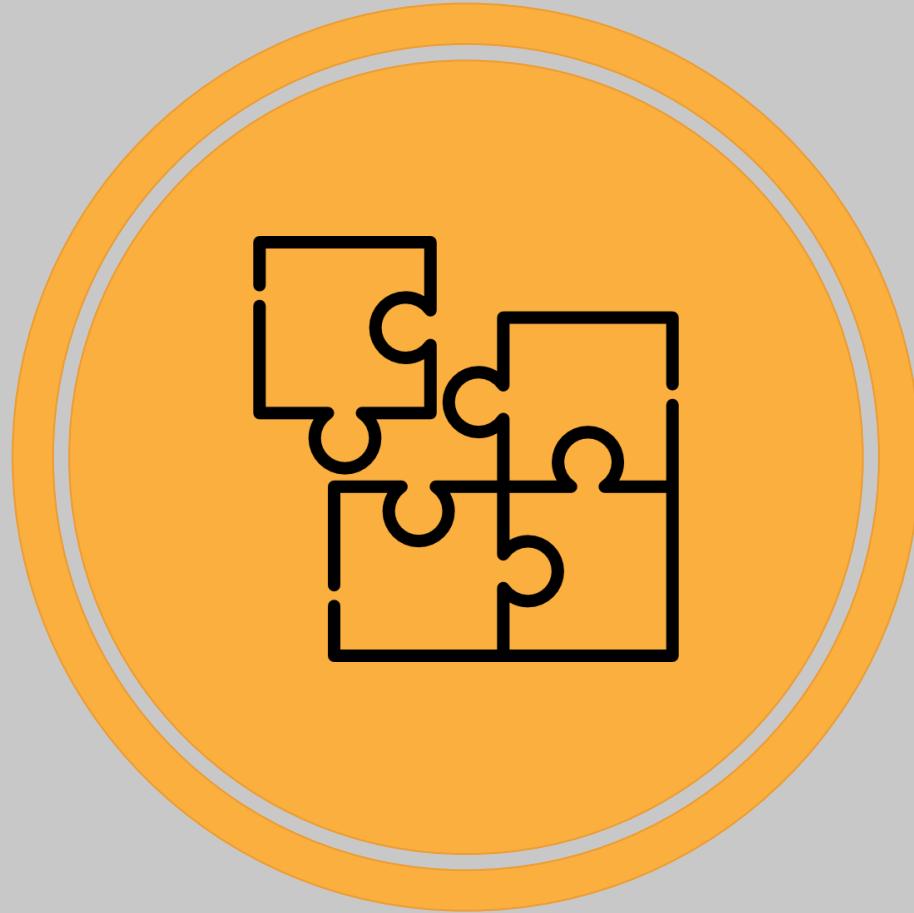


What is the strategic financial benefit of moving an application from the current platform to the cloud?

Make the current usage costs of applications transparent.

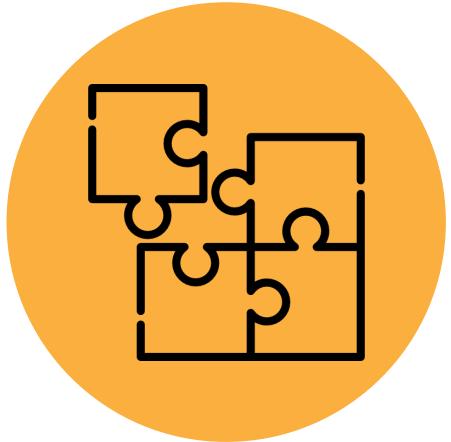
With the Financial Baseline as a reference, cost savings on the running costs of applications can then be identified by drawing up business cases.

Applicatie Domein	Levensfase	Strategic Benefit	Platform A	Total	SaaS	PaaS	IaaS	On-premises	Uitfaseren	Huidige kosten	Geschatte Finan. Impact	Impact op Organisatie	Risk level	Migratie-inzet
Applicatie 1														
Applicatie 2														
Applicatie 3														
Applicatie 4														
Applicatie 5														
Applicatie 6														
Applicatie 7														
Applicatie 8														
Applicatie 9														
Total														

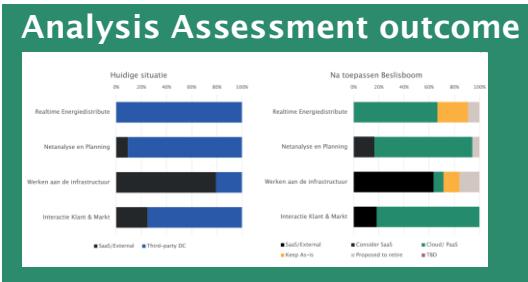


Part 3 – Hybrid IT Strategy

Hybrid IT-Strategy

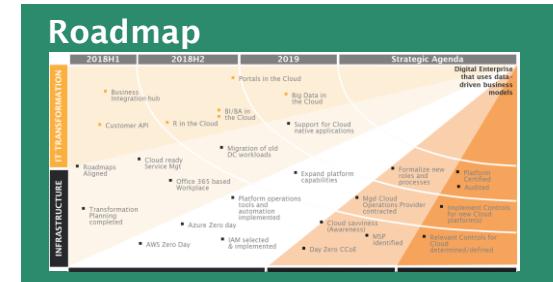


Includes the creation of an innovation-driven Hybrid IT Strategy that brings the results of the Assessment together in a consistent story that includes a pragmatic roadmap and a project portfolio.

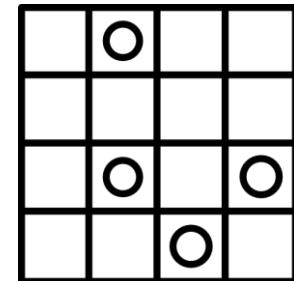


Financial summary

TCO Model	Total cost (*'000)	As-is Workload	Unit cost	Target unit workload	Total target cost (*'000)	Potential savings (*'000)	Potential savings as %
MANAGEMENT & OVERHEAD							
Management & Governance							
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Service Migration							
DATABASES & MIDDLEWARE							
Databases (traditional)							
Database RDS/Cloud							
SERVER HOSTING							
Legacy hosting							
Microsoft Azure							
VMware - Linux							



Project Portfolio



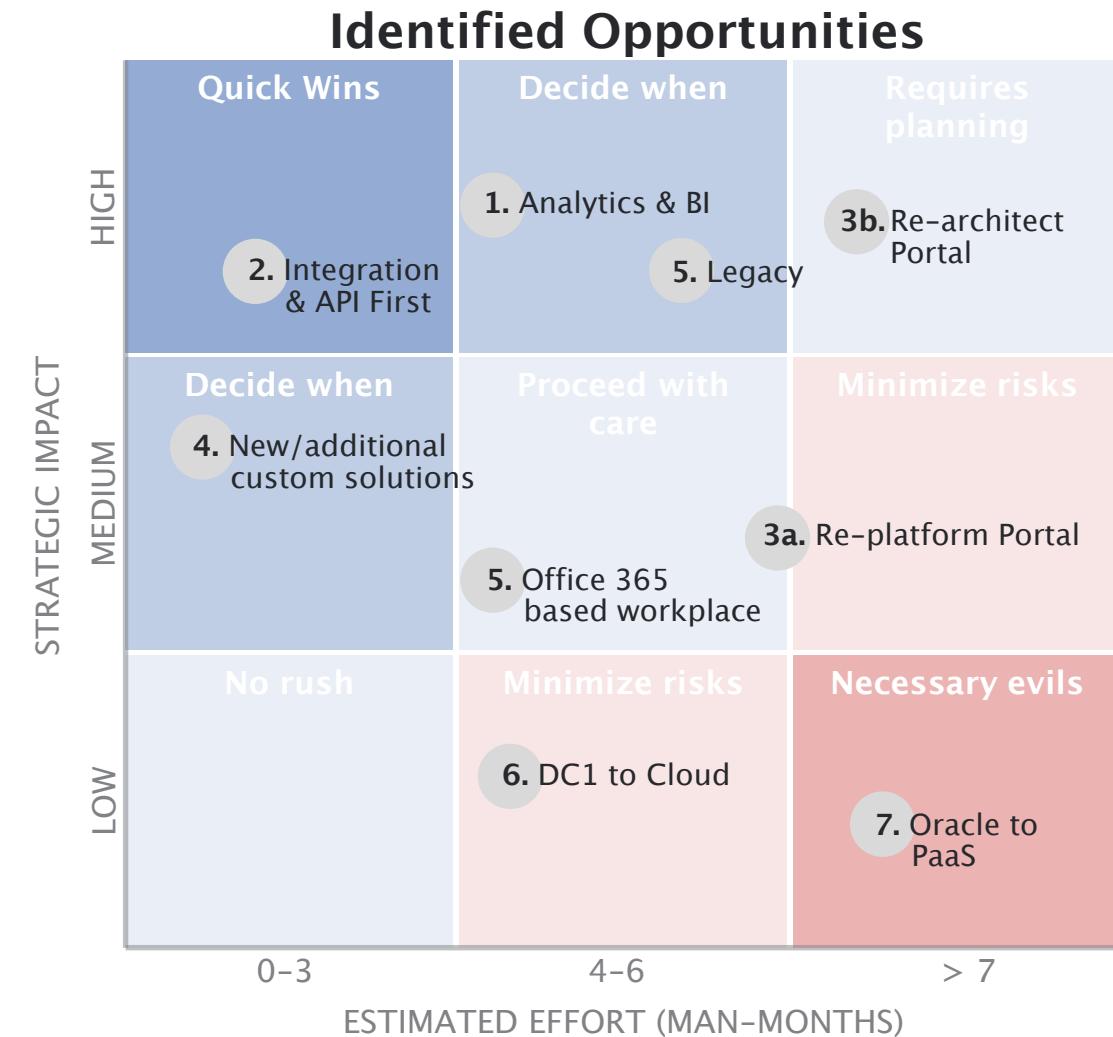
Project portfolio

Interfaces, dependencies, risks and opportunities with ongoing initiatives.

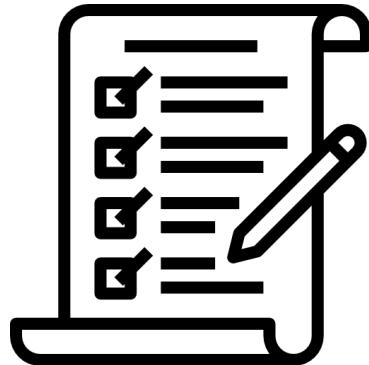
Drafting the initial project portfolio.

Carry out **impact analysis** for prioritization, including impact on the business.

Adjusting Project portfolio with respect to prioritization.



Checklist Project portfolio



Prioritized Project portfolio is used as input for the preparation of the Roadmap.

Strategic impact per project in terms of low, medium, high.

Clear estimation of the migration time per project.

Risk analysis has been included in the prioritization process.

Ongoing projects taken into account.

Deadlines of strategic objectives taken into account.

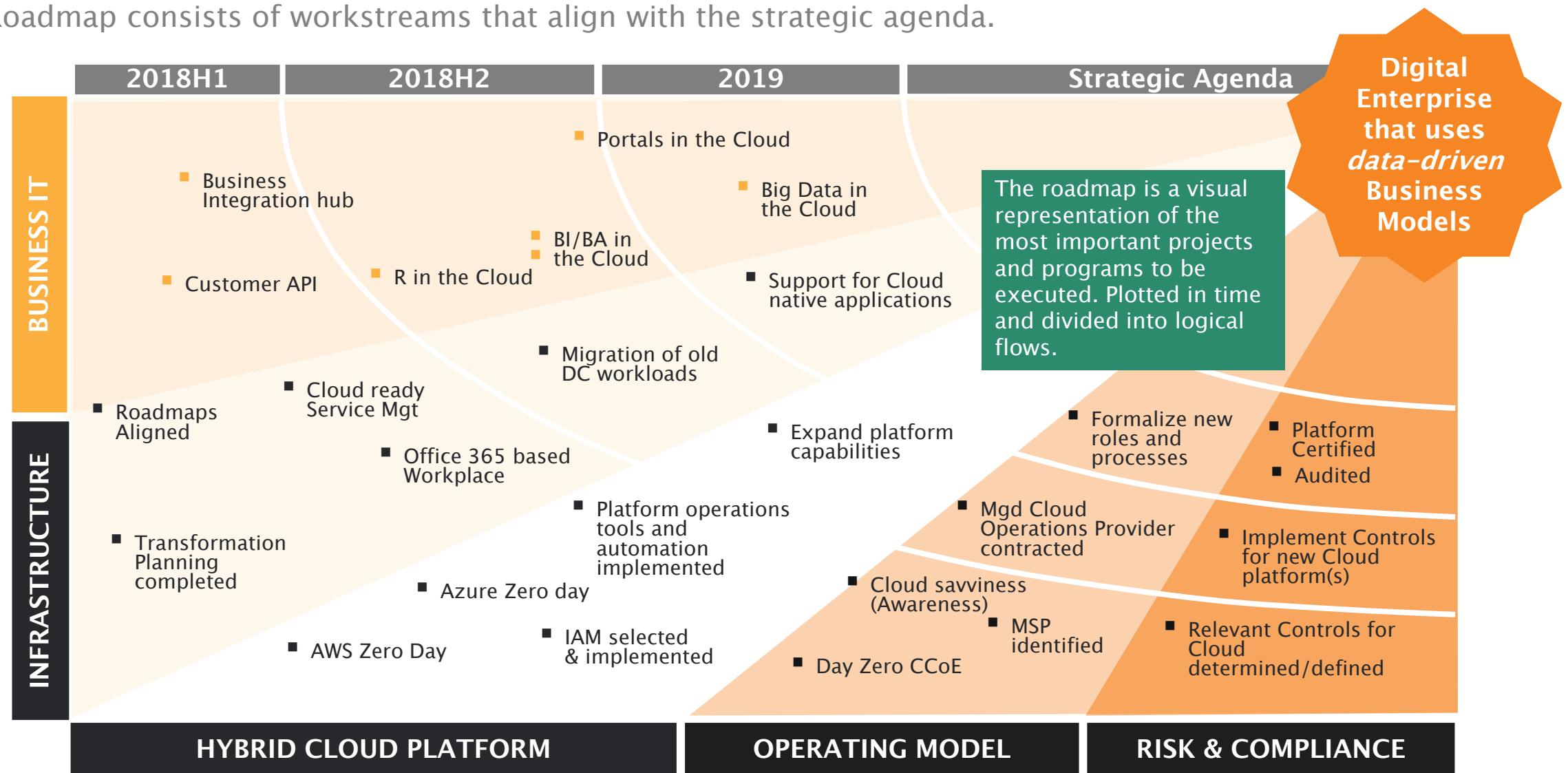
Priority determined per project and displayed in relation to each other.

Roadmap

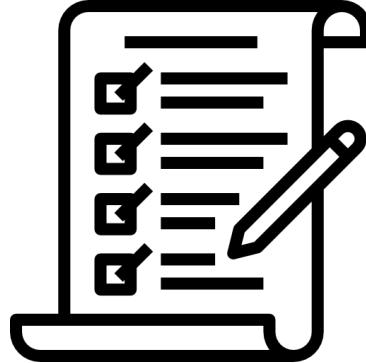


Roadmap aligned with Strategic Agenda

Roadmap consists of workstreams that align with the strategic agenda.



Checklist Roadmap



Has to be legible without extensive explanation.

Contains the most important projects, grouped in programs, if necessary.

Is logically structured in a number of streams.

Is pragmatic to the degree that minimal additional analysis is needed before being able to start projects or programs.

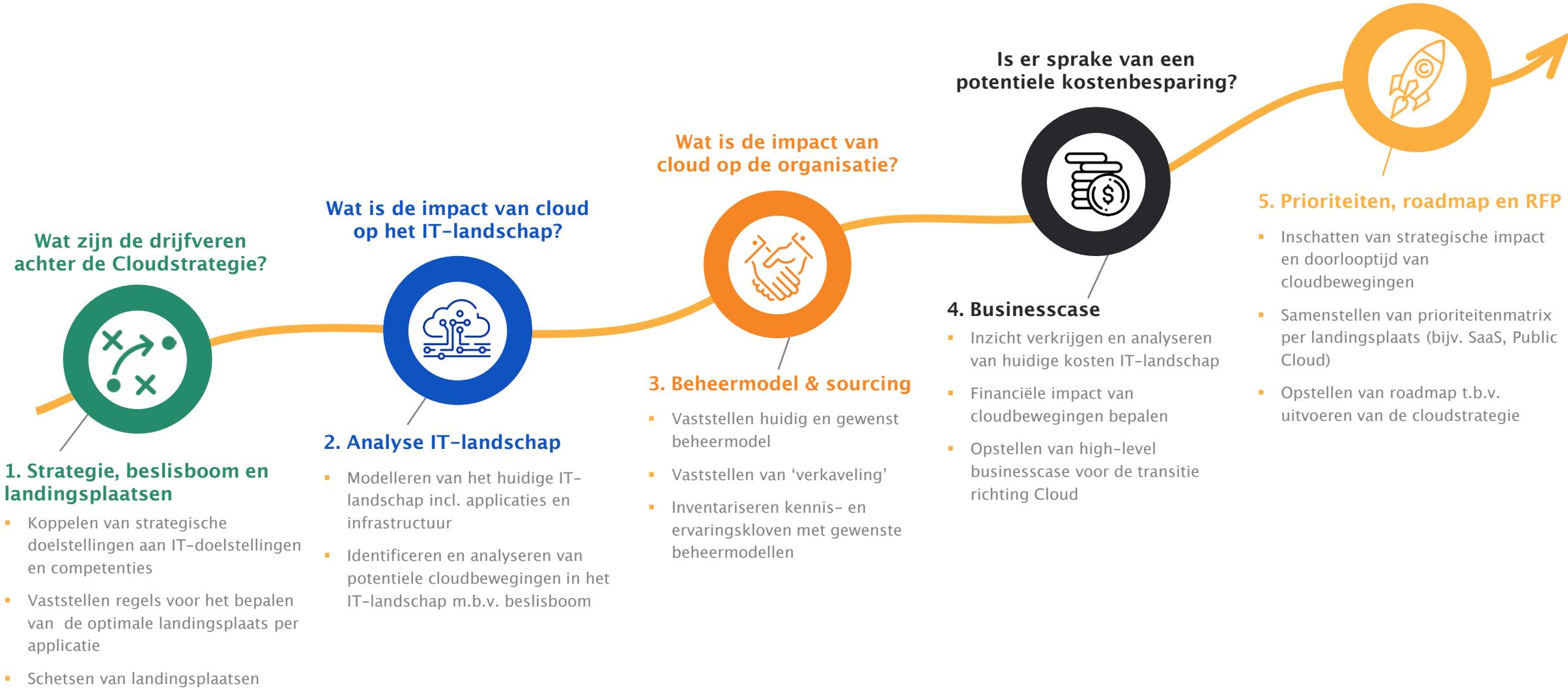
Has been validated with the stakeholders.

Een strategische en gestructureerde aanpak naar Cloud

Realiseren van nieuwe, kritieke vaardigheden, het optimaliseren van het bestaande landschap, het reduceren van 'technical debt' en daar waar mogelijk innoveren



Hoe en waar te beginnen?



Continue the conversation



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Board member – Cloud Architect Alliance



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