![pwc logo]

Cloud Placement Organizer

A PwC Product

Automated distribution planning of workloads in the cloud

Content

Your challenge

Companies that want to migrate their IT landscape to the cloud are faced with **complex, mostly manual planning.**

Above all, **thousands of servers and applications** must be analysed to determine which technical dependencies exist between them. In addition, a decision must be made for each system – **taking into account the respective business requirements** – as to whether a **public cloud** should be considered or whether it would be better to use the **private cloud.**

Especially if the **IT landscape is very large** and a **multi or hybrid cloud strategy** is to be pursued, this **analysis and planning is extremely complex.**

The following questions may arise, for example:

What are the business requirements that determine the allocation of servers and applications to a public or private cloud?

How can this complex set of requirements be applied to an IT landscape with several thousand servers and applications?
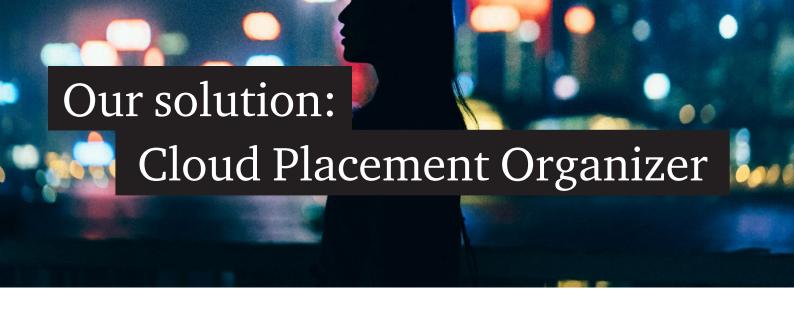
How are internal and external compliance requirements to be considered and which providers fulfill them respectively?

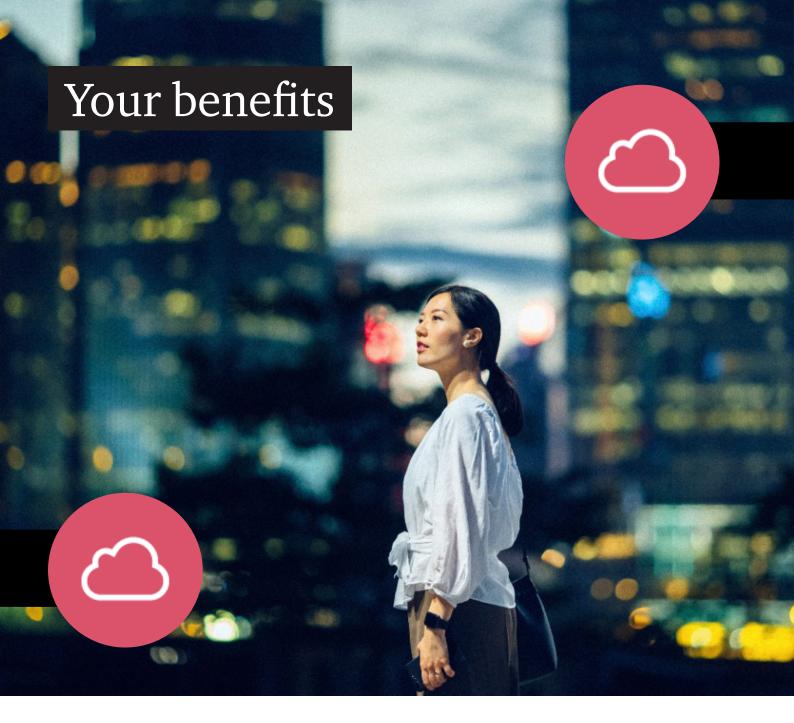How can the right platform for servers and applications be determined?

Our solution:
Cloud Placement Organizer

Cloud Placement Organizer is a **cloud planning** tool that analyses the current IT landscape and calculates the optimal placement – in the private or public cloud – of workloads (apps & servers) in the cloud according to operating model (IaaS, PaaS), costs and compliance. **Internal and external regulations and specifications are taken into account.** Placement in the target system is **fully automated** – for companies, this means significant **time savings** compared to manual distribution.

This means that the Cloud Placement Organizer can fully utilise its strengths, especially in very large IT landscapes with several thousand servers and applications, **making the complexity in cloud transformation projects manageable and accelerating the progress of the project.**
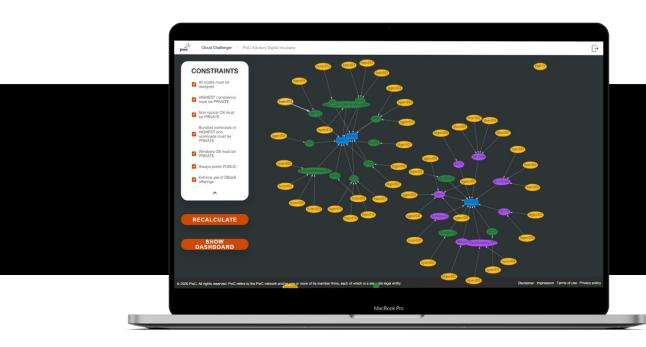
The core functions of the tool include:

- Analysis of the existing IT landscape and providing recommendations on the target operating model (IaaS, PaaS)

- Compatibility with existing CMDB's or discovery tools

- Automated distribution planning and optimisation

- Mapping of customer-specific use cases based on an individually adaptable ruleset

- Visualisation of the IT landscape in a correlation network

- Estimation of operating costs in the Future Mode of Operation (FMO)

- Simulation of different target models based on relevant evaluation criteria

Your benefits

- Easy and fast reusability of already existing IT infrastructure data from existing databases (CMDB's)

- Time saving due to high automation level

- Cost transparency by estimating costs before the transformation

- Meeting compliance and security requirements relating to the placement

- Provider-independent recommendations

- Optimal planning through continuous optimisation of the workload placement

Dashboard

The Cloud Placement Organizer Dashboard is the central feature for evaluating the planning result. Additionally, further planning can be initiated via supplementary functions.

CUSTOMISABLE RULESET

- Standard set of rules available
- Individual adaptations possible
- Programmatically extendable and customisable

COST PLANNING

- Assessment of future operating costs

FILTER AND EXPORT FEATURES

- Excel-export of results including listing of "relations", "constraints" and "constraint violations"
- Filter possibility of the data set e.g. on department level, by regions or business criticality
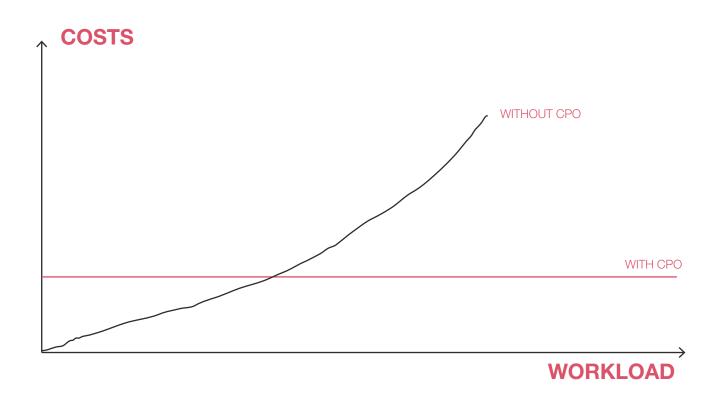
VISUALISATION

- Presentation of servers and applications
- Display of dependencies ("App-2-Server-Mapping")
- Visualisation of the calculation result

Use case

Optimised server- and application-distribution at a globally operating logistics company

- For our customer, a multinational company in the logistics industry, we were faced with the challenge of analysing and evaluating a five-figure amount of servers and applications with regard to an optimal allocation of public and private clouds as part of a cloud transformation.

- The customer had a number of requirements regarding the placement planning: cost minimisation, consideration of industry-specific compliance requirements, and individual security requirements for data requiring specific protection.

- By using the Cloud Placement Organizer (CPO) developed by PwC, it was possible to fully automate the otherwise work intensive, manual assessment process, resulting in significant financial and time savings.

- The application of the CPO is worthwhile starting from a number of 500 applications and servers.

COSTS

WITHOUT CPO

WITH CPO

WORKLOAD

FAQ

Answers to the most frequently asked questions

What data must be provided for the calculation?

To achieve an ideal result, a comprehensive picture of the IT landscape should be captured. For this purpose, information about servers, applications, business units, regions, technologies used or compliance requirements, among other things, must be provided.

How can I feed data into the CPO?

You first transfer your data to a PwC predefined template. Afterwards, you can upload it directly into the tool.

Can I also use existing databases containing information about the IT landscape (CMDB's) for the data input?

PwC provides tools for a number of widely used CMDB applications to reuse the embedded information.

How long does the calculation of the ideal target distribution take?

The time required to calculate the ideal target distribution varies depending on the size of the IT landscape, the number of servers and applications. If all relevant data and parameters are available, a result can be displayed after just a few minutes in most cases.

Is the rules set customisable?

As a starting point, PwC provides a default set of rules based on the experience of past projects. However, this ruleset can be adapted to customer-specific requirements, regulations and use cases at any time and expanded accordingly.

Visit our PwC Store! Here you will find current prices for all our products.

Place your servers and applications perfectly in the cloud.

Hauke Schaettiger | Partner | Cloud Transformation
hauke.schaettiger@pwc.com

Julian Joswig | Manager | Cloud Transformation
julian.joswig@pwc.com

pwc