Enterprise Migration Automation (EMA)

EMA solution for Microsoft Azure is a comprehensive and cutting-edge cloud adoption and enablement service that introduces digital transformation, growth and efficiency by assisting organisations with faster and seamless cloud onboarding.

Cloud migration entails the partial or complete movement of an organisation's digital assets, services, databases, IT resources and applications on to the cloud. Yet, organisations often tend to struggle to make the most out of what the cloud has to offer. Moreover, cloud adoption may bring forth multidimensional risks and challenges.

PwC's EMA solution is a pipeline-powered automation service that goes beyond the technological elements of lifting and shifting an organisation's workloads to the cloud by completely focusing on the end goal at the beginning. Instead, PwC leverages industry-standard automation tools and cloud service provider's pricing models to build a cloud migration strategy which aligns with your business values, goals and capabilities and consequently eliminates most risks and challenges associated with cloud adoption.

EMA solution is based on the PwC Transform methodology aligned with the Microsoft Cloud Adoption Framework (CAF), which comprises cloud onboarding, infrastructure provisioning, homogeneous and heterogeneous database migration, application migration, and container workload migration. It can integrate with both open-source tools and cloud-native services, thereby allowing organisations to fully utilise the offerings available on the cloud as well.
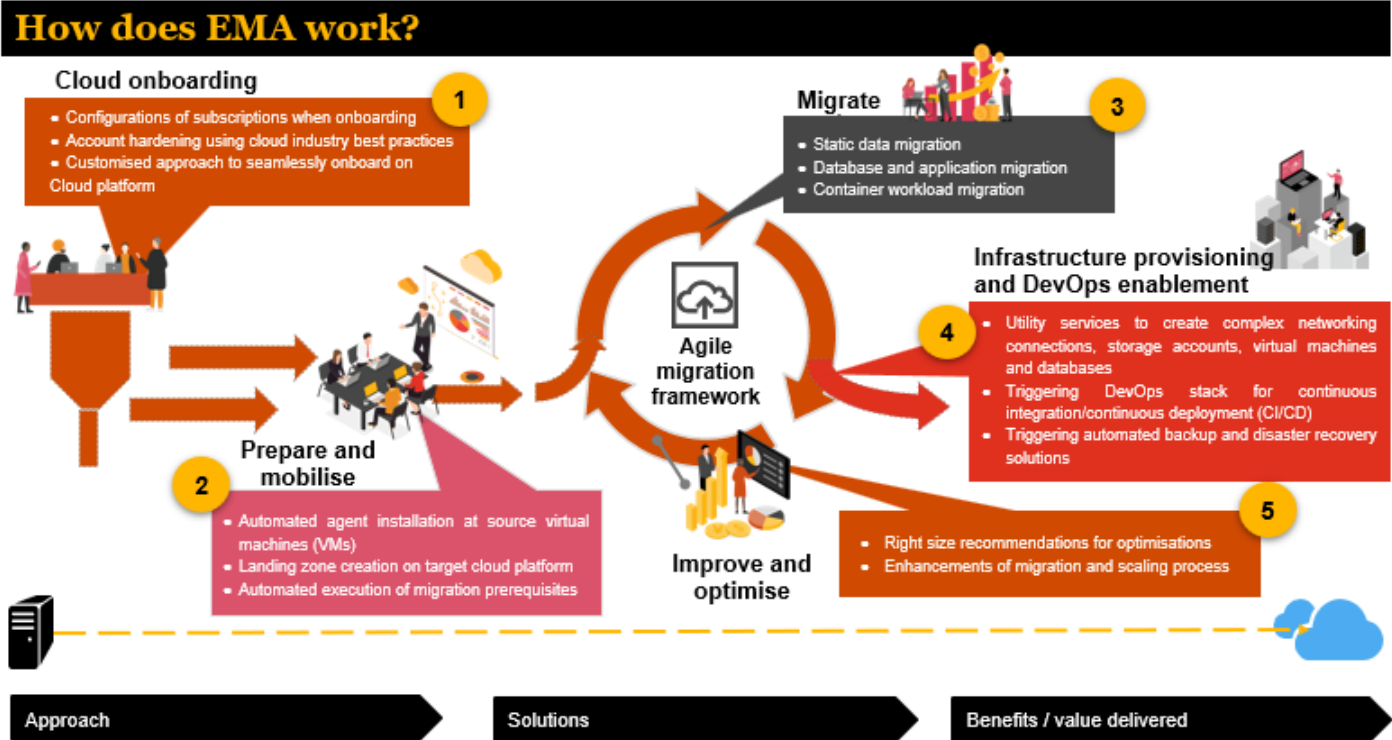
Business drivers:

EMA solution is built on top of agile methodology to ensure optimisation of both person-hours as well as resource cost. This approach keeps on refining itself as the solution continuously strives to break silos and encourages communication, collaboration, integration and automation between the software development and operations teams. Major business drivers for the same are outlined below:

- EMA is a single-architecture approach that supports multiple development frameworks which help reduce costs for the user – independent of a device, operating system and version – and promotes process automation.

- EMA expedites time-to-market by facilitating the creation of landing zones with reduced effort and generating fewer errors during migration.

- EMA facilitates an increased user reach and engagement as it permits the user to choose the migration for application across multiple cloud service providers (CSPs), with minimum user intervention and seamless execution.

If an organisation requires a well-thought-out cloud transformation plan – including specifics such as itemising dependencies and repointing hardware, software and data locations – PwC will help construct a concrete blueprint for the same, by determining the items to be moved.

Therefore, PwC's EMA solution will help businesses improve sustainability, increase efficiencies, accelerate cloud transformation speed, minimise risks, and ultimately improve overall value and return on investment (ROI). Moreover, this solution will help unlock and expedite success opportunities with an agile, interactive build approach. Upon migrating the organisation's workloads and applications to the cloud, PwC will support the organisation to further optimise time savings, infrastructure costs and organisational efficiency.

Mechanism and benefits of EMA