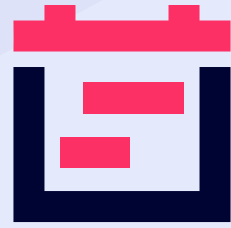# doit

AWS Migration Acceleration Program (MAP)

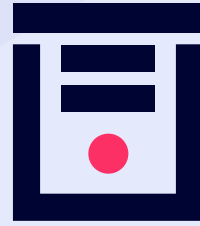Expectation **vs** Reality

Timeline

Expectation

"Migration of 500 servers can be completed in 3-4 months with proper planning."

VS

Reality

Most successful large-scale migrations typically span 12-24 months to ensure proper testing, stakeholder alignment, and smooth transition.
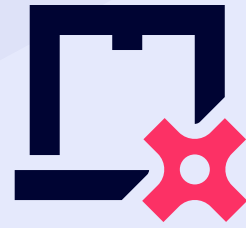
doit

Cost & resource planning

Expectation

"Moving our on-prem infrastructure to equivalent EC2 instances will maintain performance and costs."

VS

Reality

Cloud instances offer different performance characteristics and cost models, requiring careful right-sizing and optimization to achieve optimal cost-efficiency.
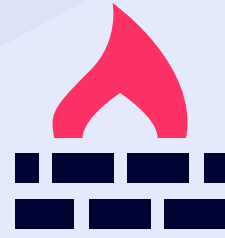
doit

Effort

Expectation

"Our infrastructure team of 5 can handle the migration with some AWS training."

VS

Reality

Successful migrations benefit from both cross-functional internal collaboration and experienced AWS migration partners who can guide the process, help avoid common pitfalls, and accelerate success through proven methodologies.

doit

Runtime & software compatibility

Expectation

"Our Python 2.7 and Node.js 16 applications will run fine in AWS - we'll deal with upgrades later."

VS

Reality

AWS has deprecated support for older runtimes, requiring immediate modernization before migration can even begin.
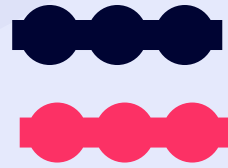
doit

Security & compliance

Expectation

"We'll replicate our current firewall rules and add AWS WAF for protection."

VS

Reality

Cloud environments offer enhanced security capabilities through services like CloudWatch and Security Hub, requiring thoughtful planning to leverage these advantages.

doit

Network bandwidth

Expectation

"Our current network bandwidth will be sufficient for the migration."

VS

Reality

Moving large amounts of data requires careful bandwidth planning and can become a bottleneck, significantly slowing down migration and causing application performance issues.
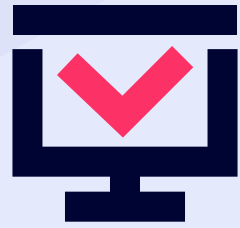
doit

Environment parity

Expectation

"We'll recreate our production environment exactly as-is in AWS for consistency."

VS

Reality

Cloud environments require different architectural approaches and following the AWS Well Architected Framework in order to operate in an optimized and secure way.

doit

System reliability & testing

Expectation

"We can use existing test suites and add disaster recovery (DR) later."

VS

Reality

Cloud environments require new approaches to testing, including network latency, failover scenarios, and DR planning from day one to leverage cloud-native resilience features.

doit

System reliability & testing

Expectation

"We'll modernize our applications after they're running in AWS."

VS

Reality

Without some level of modernization during migration, organizations often end up with higher costs and technical debt that becomes harder to address later.

doit

doit

Your AWS migration doesn't have to come with a reality check

As a certified AWS MAP Partner, DoiT's solution architects have seen it all: the expectations, the challenges, and most importantly, the solutions.

We bring deep expertise in guiding successful cloud migrations, helping you navigate from comprehensive infrastructure assessment and capacity planning to post-migration optimization. Reach out to discuss your migration strategy and how we can help ensure your successful transition to AWS.

Book an AWS migration consultation