The Positive Way

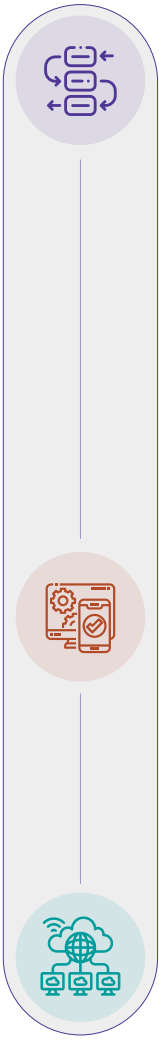
WAVESTONE

THE CLOUD MIGRATION JOURNEY IN 3 STAGES

The cloud confers many performance advantages and cost efficiencies, but only if planned thoroughly from migration to optimization.

Here are Wavestone's recommended cloud migration priorities and how to achieve them.

STAGE I: PLANNING



Operational Priority #1

SUPPORT success with a solid plan to achieve the target cloud state.

- Establish the strategic goals driving migration:
  - Specific long-term business outcomes
  - Operational enterprise state and objectives
  - Quantifiable metrics to measure progress
- Map the target application topology: lay out the entire application and platform ecosystem and define their cloud service requirements
- Identify the cloud services your enterprise needs, and list suitable Cloud Service Provider (CSP) candidates

Operational Priority #2

EXECUTE standardized app development and practices.

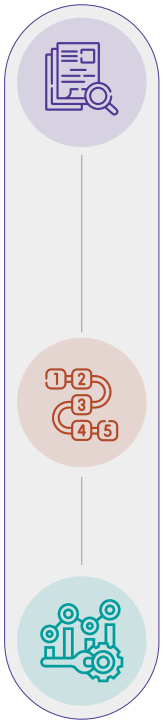
- Replace outdated applications and platforms with cloud-optimized architectures
- Retire legacy applications with insufficient compatibility with cloud environments
- Build standardized, reusable templates and future migration SOPs around the target application workloads and infrastructure

Operational Priority #3

CONSOLIDATE modernization with shift to cloud infrastructure.

- Migrate data from inflexible on-prem data centers in favor of elastic cloud storage and computation
- Explore long-term workflow optimization opportunities with cloud services

STAGE II: MIGRATING WITH EXCELLENCE



Operational Priority #1

SUPPORT continuous application assessments.

- Conduct detailed technical assessments to confirm application compatibility and efficiency in cloud environments
- Determine the extent of re-factoring, re-platforming, and re-architecting required to adapt and cost-optimize to the cloud

Operational Priority #2

EXECUTE migration “Move Group” sequencing.

- Organize migration into waves of “Move Groups”: applications with related microservice synergies, resource dependencies, and optimization patterns that operate together

Operational Priority #3

CONSOLIDATE on-prem optimizations.

- Reconfigure and retire remaining legacy data center hardware and software (e.g. VM clusters, storage)

STAGE III: ACCELERATING CLOUD MATURITY

Operational Priority #1

SUPPORT continuous solutions development.

- Dedicate significant cloud investment to standard application design protocols and code modifications that optimize infrastructure for long-term cloud performance

Operational Priority #2

EXECUTE adjustment of migration wave investments as needs change.

- Invest financial resources and expertise to evolve application topologies, migration wave sequencing, reusable assets, and Move Group applications

Operational Priority #3

CONSOLIDATE stakeholder support with realistic expectation-setting.

- Prepare expense margins throughout migration to accommodate low initial returns
- Channel savings from on-prem consolidation to further offset early losses
- Ensure transparent reporting and foster cross-organizational engagement with a Cloud

Fast-moving cloud migrations and their new environments are unforgiving on the unprepared.

For more detailed information about cloud migrations and optimizing your enterprise for the cloud, read our full guide, **"Everything You Ever Wanted to Know About Cloud Optimization (but didn't know how to ask)."**

Want to speak to Keith Worfolk, author and senior partner with 20+ years' experience leading and advising enterprises in their cloud journey? Email **keithmworfolk@wavestone.com** or call **646-341-9753**.

About Wavestone

Wavestone is a global leader in all aspects of Cloud deployment. Our Cloud experts combine functional, sectoral, and technical expertise, and work with C-Suite leaders in an array of industries around the work.

To reduce costs and optimize resources, cloud-native and third-party cloud tools provide increased visibility to identify what each application needs, as well as options for equal or better performance at lower cost. Applying the right analytics readily available in cloud environments, IT, and FinOps can better balance performance and cost goals, and more easily manage classic on-prem issues with containers (underutilization, instance sprawl, incorrect instance type, and size).