![Mindtree — Welcome to possible]

Reliability Engineering Management Services

A seamless, integrated offering across product lifecyle that supports accelerated cloud adoption with extreme reliability and reduced TCO
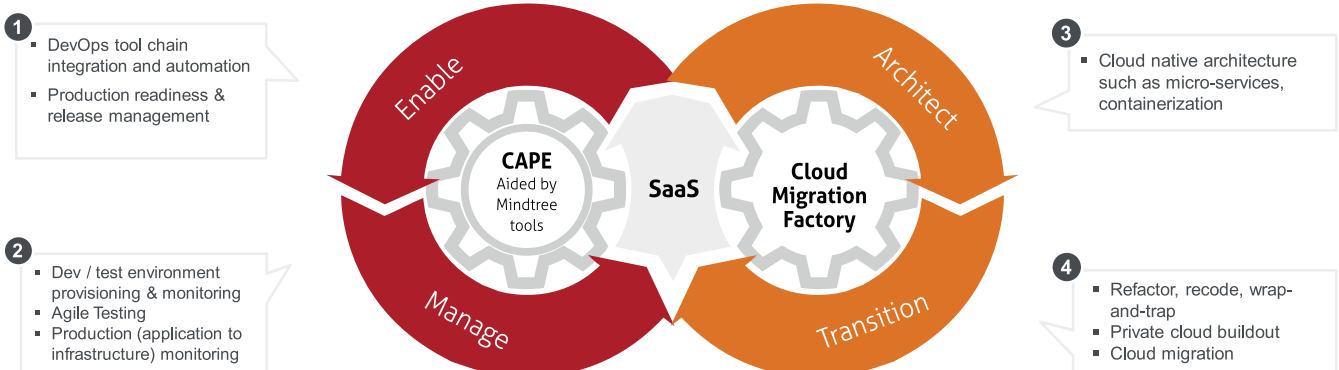
Easing the path to DevOps

As technology companies look to accelerate cloud-based revenues, they are hampered by inadequate tools and processes which in turn impact time to market. At the same time, clients expect extreme reliability in the production environment. How will they successfully manage these seemingly contradictory goals? DevOps provides the answer, but the path is fraught with challenges such as:

- Managing diverse teams: The Development and Operations teams with different skill sets and cultural mindsets have to closely collaborate
- Multiple tools: These lower reliability and stability of the environment adding to costs and impacting business goals
- Lack of integrated functioning: This prevents maximizing potential of automation which has a bearing on time to market

- Lack of unified view: The Development and Operations teams make do with partial views of the system making holistic monitoring a challenge
- Absence of an integrated tool platform: This makes migrating to new architectures such as cloud tedious

These challenges impede release velocity, reliability and ultimately business growth. They establish a clear need to synchronize efforts across the product lifecycle.

Mindtree's comprehensive Reliability Engineering and Management (REM) Solution solves the problem by eliminating issues stemming from isolated toolchains. This is achieved by building a REM platform that integrates the development and operations environments, thereby presenting a unified front.

1
- DevOps tool chain integration and automation
- Production readiness & release management

2
- Dev / test environment provisioning & monitoring
- Agile Testing
- Production (application to infrastructure) monitoring

Enable · *Architect* · *Manage* · *Transition*

CAPE Aided by Mindtree tools · **SaaS** · **Cloud Migration Factory**

3
- Cloud native architecture such as micro-services, containerization

4
- Refactor, recode, wrap-and-trap
- Private cloud buildout
- Cloud migration

Mindtree's Reliability Engineering & Management (REM) Solution – A seamless integrated offering

By proficiently blending two proprietary in-house developed platforms, CAPE and MWatch, we offer:

- Holistic ownership of the DevOps environment
- Business assurance through Dev/Test environment provisioning and monitoring and comprehensive and automated Agile testing
- Production readiness and release management
- Comprehensive monitoring of application, transactions, and infrastructure, with self-healing and AI-based optimization
- Continuous automation across the lifecycle through CI/CD, test automation, RPA and ML

Composable Automated Platform for Enterprises (CAPE) is an automated meta-platform equipped with composing, provisioning, operating and visualizing capabilities. It helps enable integrated service delivery across the plan-to-operate lifecycle and provides cross-enterprise IT visibility.

Enabled by machine learning (ML), MWatch allows for comprehensive monitoring of the production environment with self-healing capabilities. This allows IT teams to intuitively configure, provision and manage the environment consequently reducing costs.

Technology companies seeking to switch to newer development methodologies would benefit from Mindtree's REM solution as it:

- Delivers a composable solution that leverages existing client tool investments
- Seamlessly offers a real-time unified view eliminating disparate toolchains
- Enables accelerated transition to modern cloud native architecture
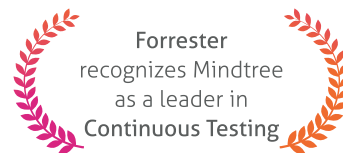- Allows real-time visibility of the pipeline with unified KPIs across multiple tools

Mindtree's integrated approach to REM combines all aspects of DevOps to delivers transformational business benefits:

- Agility - Up to 25%* reduction in cycle time, up to 30%* reduction in time to resolution
- Reliability - Up to 30%* reduction in customer found defects (CFDs), 99.99%* availability of dev/test and production environments
- Efficiency - Up to 30% lower TCO

In addition, it increases bandwidth for management and engineering teams allowing them to focus on product excellence & new product development.

Three key reasons why product teams should partner with Mindtree:

1. Product development lifecycle is embedded in our DNA so we completely understand the priorities and challenges faced by the product teams.
2. Over 18 years of experience in working with technology companies has armed us with the know-how to manage the entire toolchain.
3. Our innovative approach and solid experience have been recognized by leading industry analysts.

Zinnov: Mindtree in leadership zone for **Enterprise & Consumer software**

ISG recognizes Mindtree as a leader in **Application Testing**

Forrester recognizes Mindtree as a leader in **Continuous Testing**

Success Stories – a snapshot

- End-to-end reliability ensured for the world's leading IaaS / PaaS provider with 30% increase in platform releases, 24% reduction in total cost of ownership, 15% reduction in incident volume QoQ and 90% automation in routing deployment tickets
- Increased agility for a leading low-cost US carrier with 13% reduction in test execution time with true Agile and DevOps
- Improved efficiency at one of the word' largest provider of digital media solutions to retailers and CPG brands with 20% improvement in productivity through our automation suite