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Experience cloud transformation and continuous modernization with HCL

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Agenda

HCLTech CloudSMART continuous modernization

Cloud acceleration journey for Merck

Driving change at scale

Key takeaways

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HCLTech CloudSMART

CONTINUOUS CLOUD MODERNIZATION FOR BUSINESS TRANSFORMATION

CloudSMART features a suite of offerings and services that enable businesses to pivot from their current state to modern cloud, developed and delivered through the collaboration of our business segments with the active participation of a strong global network of ecosystem partners

Modernize the digital core

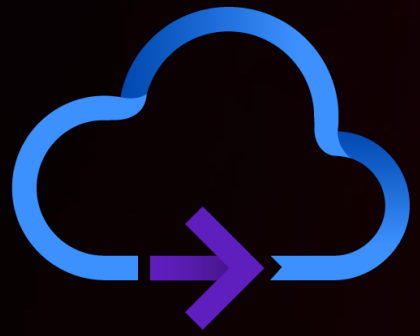
Transform your business with next-generation technology

Develop a cloud culture

Recalibration processes and skills to think scale and think agile

Maximize business value

Business differentiation through industry ecosystem



Accelerate business transformation

Drive continuous innovation

Reimagine your cloud capabilities to foster the art of the possible

Reimagine customer experience

Design thinking and automation to empower and engage

Create a sustainable future

Achieve economic, social, and environmental goals

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Cloud-driven business transformations

Service propositions

Innovation-led



Rethink organizational agility

- Strategizing data & insights
- Prioritizing investing in business-as-usual vs. digital acceleration
- SaaS-ification
- Servitization of everything

Reimagine and thrive

- Building client-specific POCs
- CX transformation
- Co-invest in experimental tech
- Industry-specific propositions

Productivity-led



Rebuild operational resilience

- Automation in program management
- Risk and fraud analytics
- Virtual Distributed Agile framework

Rapidly reduce cost

- Tech simplification
- Breakthrough service delivery models
- Relentless automation and AI

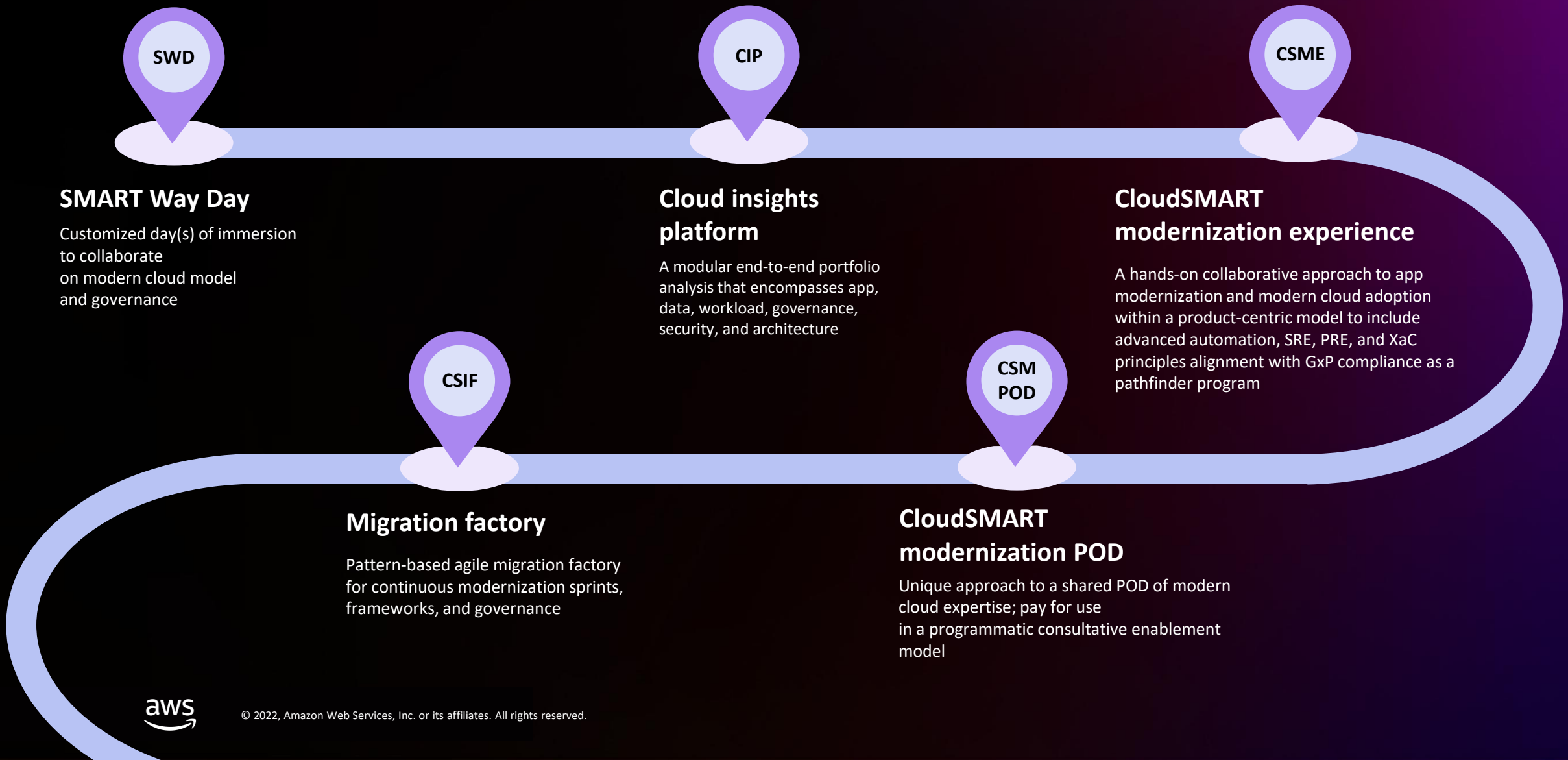
Collaboration via CloudNative Labs

Spend optimization via HCLTech FinOps

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HCLTech modern cloud enablement model



SMART Way Day

Customized day(s) of immersion to collaborate on modern cloud model and governance

Cloud insights platform

A modular end-to-end portfolio analysis that encompasses app, data, workload, governance, security, and architecture

CloudSMART modernization experience

A hands-on collaborative approach to app modernization and modern cloud adoption within a product-centric model to include advanced automation, SRE, PRE, and XaC principles alignment with GxP compliance as a pathfinder program

Migration factory

Pattern-based agile migration factory for continuous modernization sprints, frameworks, and governance

CloudSMART modernization POD

Unique approach to a shared POD of modern cloud expertise; pay for use in a programmatic consultative enablement model

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CloudSMART portfolio analysis

Energize

Executive sponsors/ managers

App & workload

Utilize existing data sources

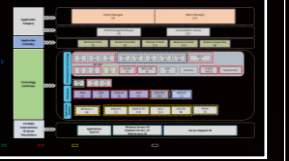
Application technical and functional owners, architects, and tech leads

Cloud insights platform

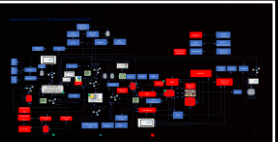
Explore
Discovery

- Understand business context, organization, and IT transformation objectives
- Define stakeholder engagement plan
- Collate information required for analysis
- Application mapping to business capability areas
- Install and run IT discovery tool
- Finalize current-state data collection for technical environment, technologies used, and underlying infrastructure

Application as-is technology view



Application as-is architecture



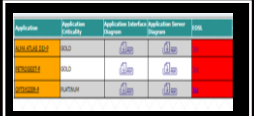
Business functionality map



Analyze
Analysis

- Assess application technology obsolescence
- Identify optimization opportunities (functional consolidation, legacy modernization, cloud dispositions, and standardization)
- Determine treatment type and target disposition
- Determine cloud-ready candidates and target environment
- Identify migration requirements and dependencies

Application health



Fenix mapping of applications



Portfolio dependencies



COTS/SaaS-led consolidation



4R analysis



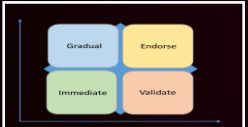
Application treatment options



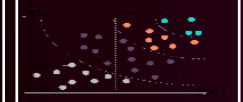
Craft
Cloud disposition framework

- Future-state solution planning for in-scope apps
- High-level cost analysis
- Roadmap creation: prioritization and selection of optimization opportunities
- Assess the level of complexity of the modernization & migration effort
- Multi-cloud architectural overview

Decommission readiness



Wave migration plan



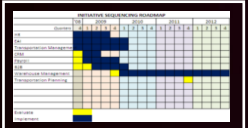
Solution planning



Prioritization of initiatives



Solution roadmap



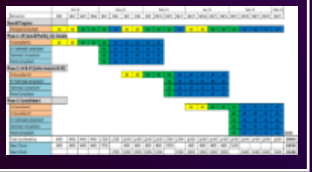
Application spend analysis



Transform
Modernization and migration factory

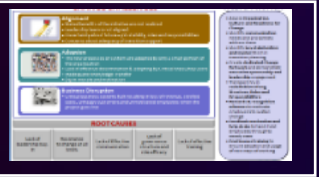
- Create detailed solution design
- Design target architecture
- Set up a factory model
- Code-level remediation
- Build and test
- Deployment
- Tracking of communication, vendor, risk scope, and IT change management plans

Solution implementation plan





Program risk management



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Case: HCLTech assists in accelerating journey to cloud



17+ years strategic managed services partner supporting infrastructure and applications

- Accelerate journey to cloud, with key drivers being flexibility, scale, speed to market, and continuous innovation
- HCLTech established an application migration and modernization factory for continuous modernization of applications and platforms to AWS Cloud
- Agile DevSecOps sprint-based application migration delivery model with CI/CD pipelines and tools
- Cloud foundation services such as architecture, administration, and operations for Merck's modern cloud ecosystem

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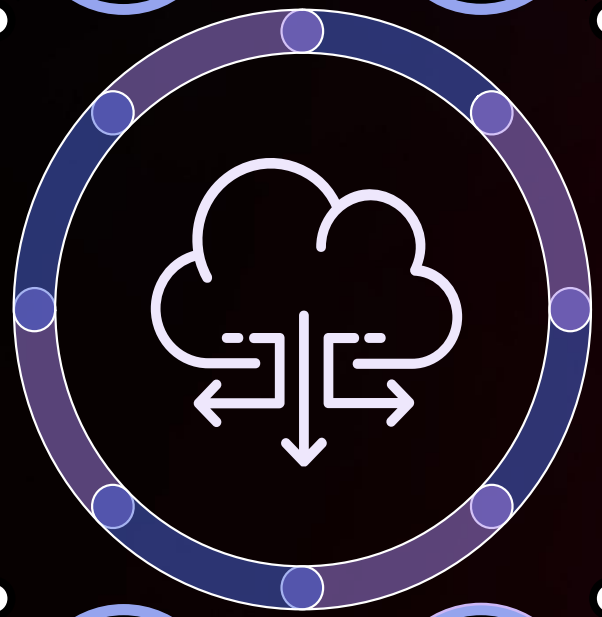
Key program factors

HCLTech brings in **legacy knowledge** of Merck's applications and infrastructure

Committed multi-**million-dollar savings** over 5 years

Analyzed **2,000+ apps** and identified **300+ apps** for migration and modernization of on-premises workloads to cloud

Implementing retire, rearchitect, replatform, and refactor of legacy assets across Merck's **business units**



Innovative path to allow an increase to modernization

Continuous **automation** and build of reusable components for driving efficiency post-modernization

Modernization of Merck's core enterprise platforms (Tibco & SAP)

Sprint-based DevSecOps framework for **continuous delivery** and improvement

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Change at scale

To implement and scale – build momentum, accelerate, and embed change for transformation



Operationalize target operating model, associated structure, and roles and responsibilities

Build agile and product management skills and behavioral attributes through a continuous talent strategy

Unified mechanism to measure value – product excellence rewarding collaborating behavior

Simplified framework for agile across sourcing models and supplier, enabling connected culture

Strategic use of tools, technology, and skills across all spheres of implementation, providing greater visibility and faster solutions

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Key takeaways

Shift IT processes to a product-centric IT model – the goal is more focus on the business and a model more conducive to innovation

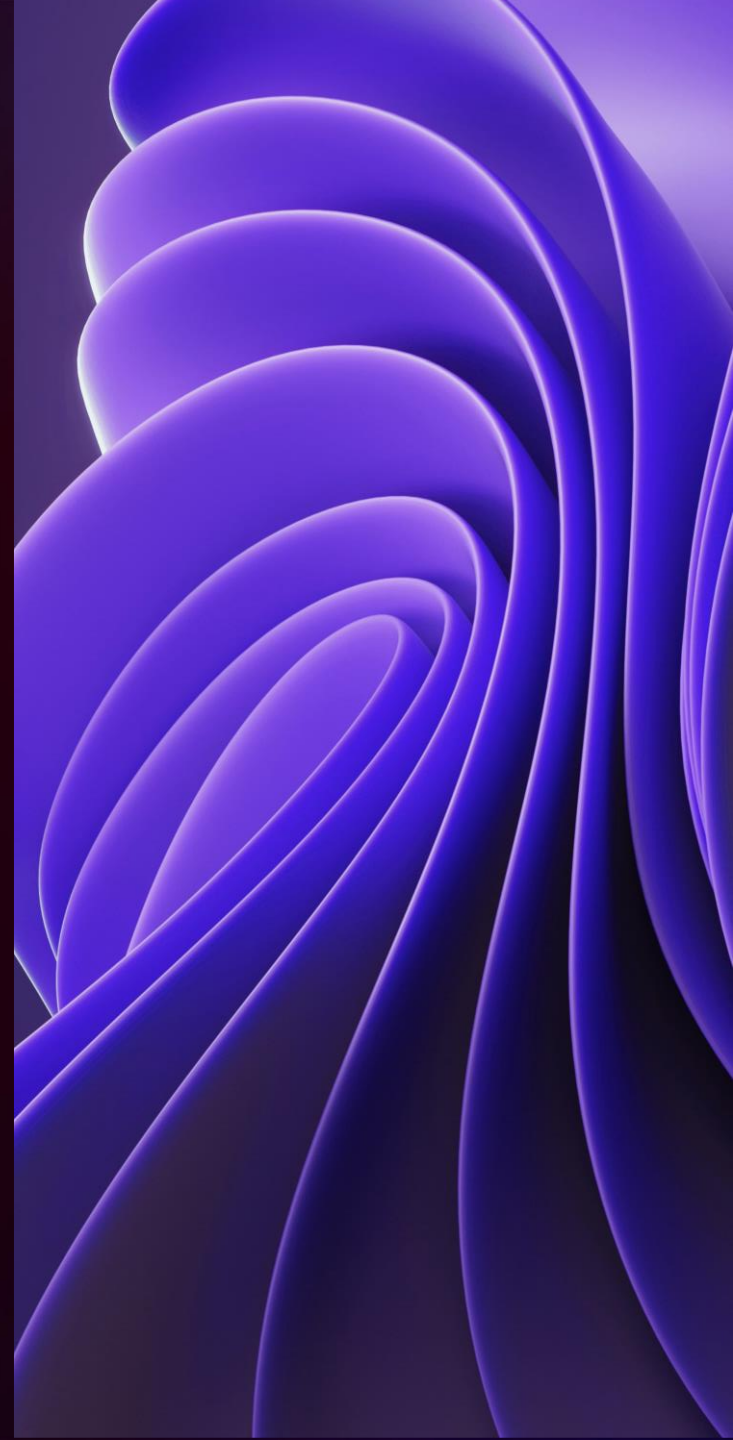
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Merck has created an innovation mindset that is being adopted across their IT and cloud ecosystem models

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Develop application patterns to enable a factory approach to application migration – this used
access to valuable data and reduced technical debt

New integrated process to enable nondisruptive, governed migrations for the future



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Thank you!

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