Solution Brief

Altra
Cloud Migration
AI-driven Migration & Modernization

intel®

Cloud Migration Made Easy with Dr Migrate

Take the guesswork and manual effort out of cloud migration with Dr Migrate's end-to-end automated framework, powered by AI and Machine Learning

Dr Migrate

Challenge: Cloud migration is bogged down by sheer data workloads

The sheer scale and complexity of data collection and analysis overwhelms many cloud migration teams. Faced with millions of data points and hundreds of servers and applications in an ever-changing live environment, migration teams struggle to gain a comprehensive view of network dependencies, server utilization, and areas for improvement.

Working through huge data volumes and complex dependencies by hand is a slow, laborious, and error-prone process, made worse by data going out of date as the IT landscape changes. Enterprises need a way to eliminate the intensive, costly work of analyzing and mapping their digital estate to ensure optimized migrations.
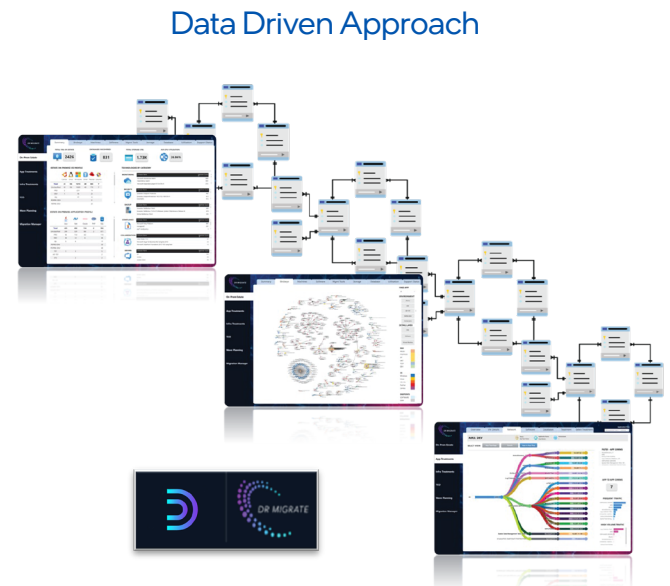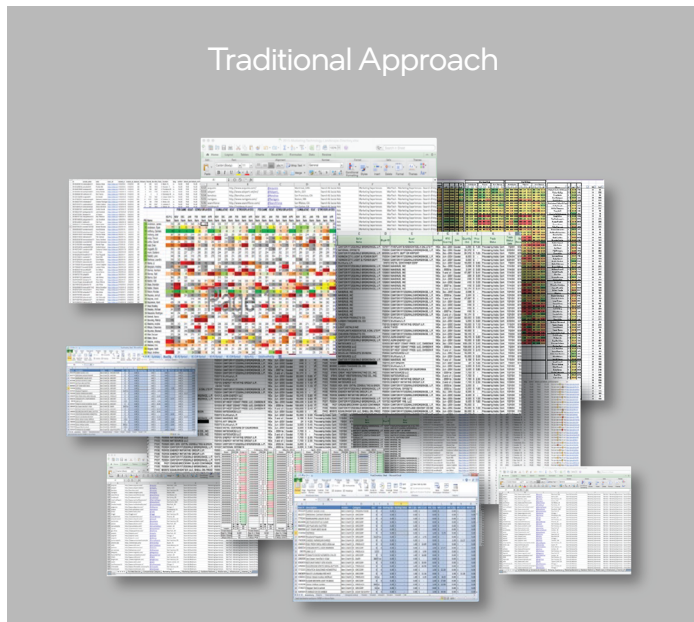

Traditional Approach

Data Driven Approach

Figure 1. Cloud migration can be a manual process that requires going through hundreds of excel sheets. Using AI and ML, Dr Migrate can reduce time and effort spent to plan and assess.
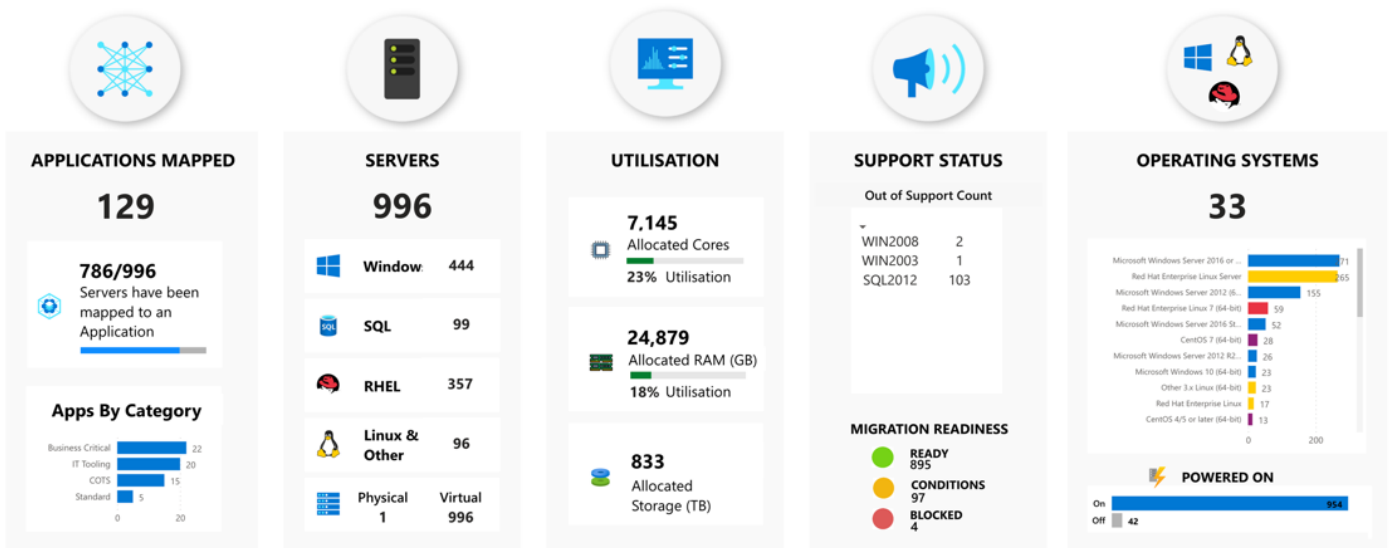
Figure 2. Dr Migrate's clean user interface provides over 100 insights and reports within hours.
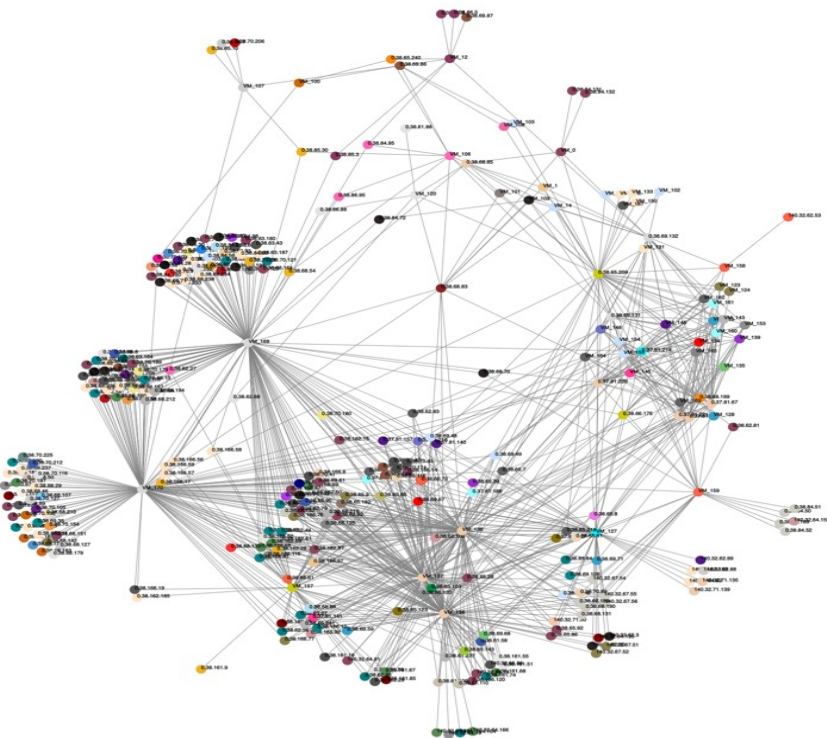

Figure 3. Dr Migrate allows you to visualize how your digital estate interconnects and maps network dependencies.

Solution: Dr Migrate by Altra, an AI-driven approach to migration and modernization

Dr Migrate understands the DNA of your digital estate. Integrating natively with Azure Migrate and Movere, the Dr Migrate solution uses advanced machine learning to automate the heavy lifting of cloud migration assessment and planning while providing instant access to critical insights to inform your IT modernization decision-making. This intelligent approach helps generate richer insights at 5 times faster speed.

Assessment

Dr Migrate's algorithms process millions of data points agentlessly and at lightning speed, learning how apps in your enterprise's digital estate interconnect and mapping network dependencies. These insights flow into dashboards fed by real-time data and deep AI assessment, giving you complete visibility into your digital estate's TCO, sustainability measures, modernization options and more.

Planning

Dr Migrate's dynamic planning engine generates wave plans in moments instead of weeks, accounting for application dependencies and their size. Additionally, determining the correct migration treatment for your application has never been simpler. Dr Migrate provides access to technical insights that aid decision-making in real-time.
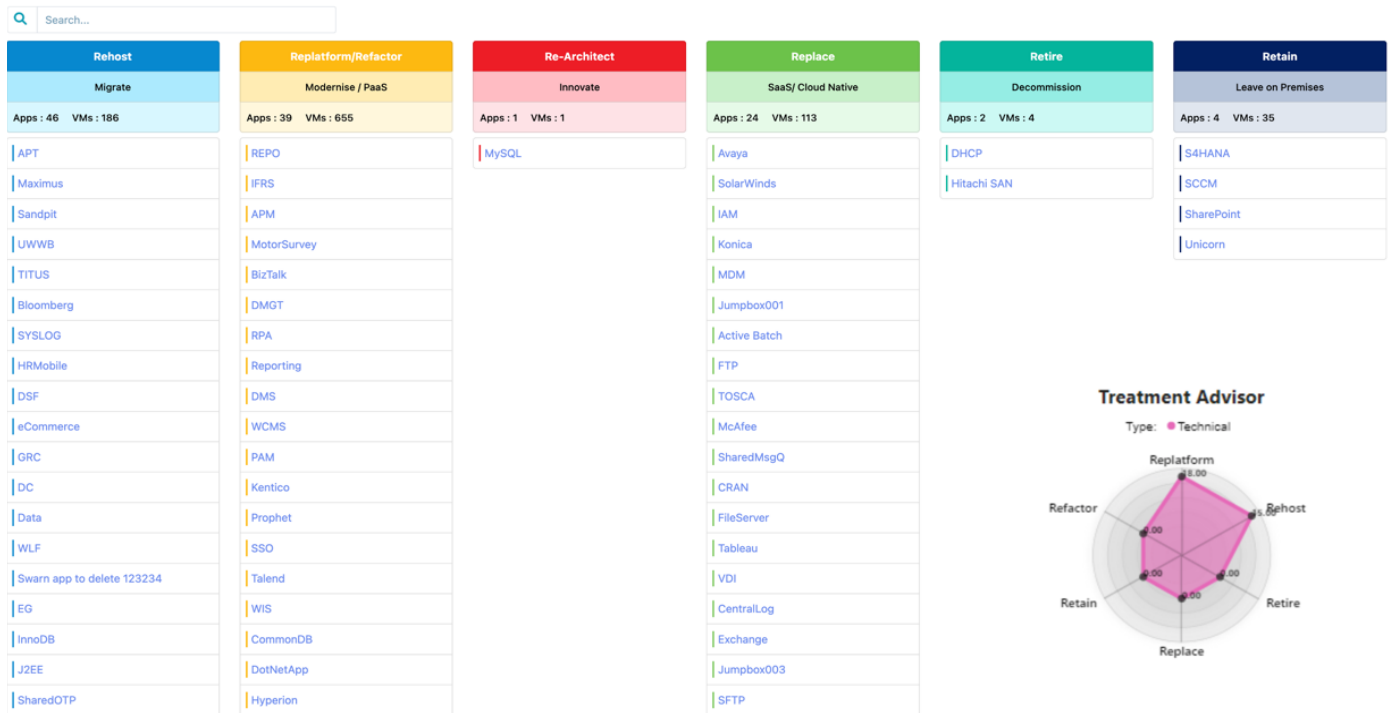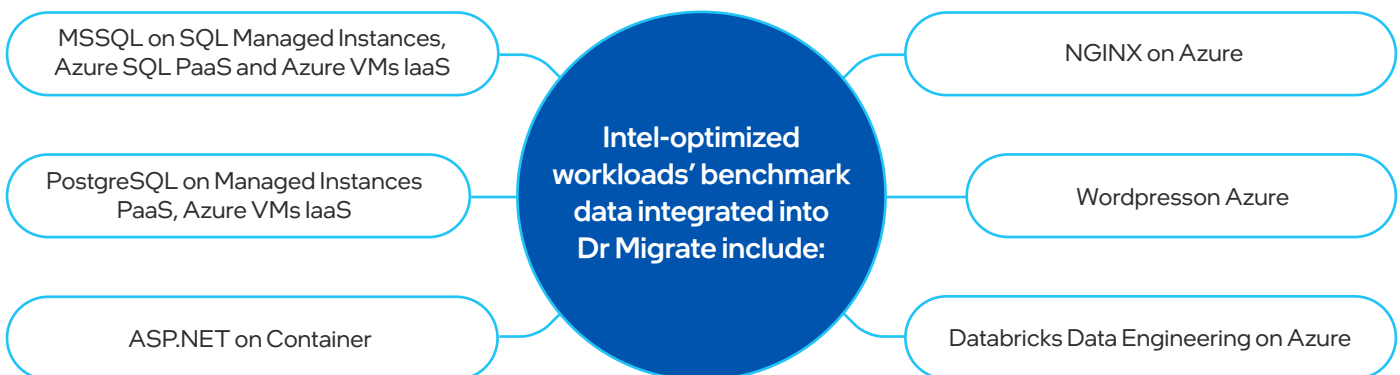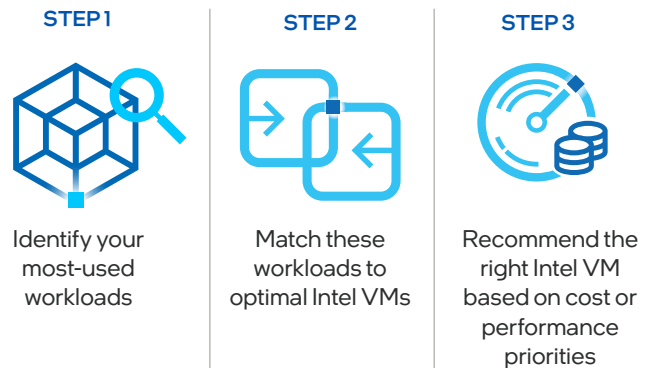
Treatment Assignments

Rehost	Replatform/Refactor	Re-Architect	Replace	Retire	Retain
Migrate	Modernise / PaaS	Innovate	SaaS/ Cloud Native	Decommission	Leave on Premises
Apps : 46 VMs : 186	Apps : 39 VMs : 655	Apps : 1 VMs : 1	Apps : 24 VMs : 113	Apps : 2 VMs : 4	Apps : 4 VMs : 35
APT	REPO	MySQL	Avaya	DHCP	S4HANA
Maximus	IFRS		SolarWinds	Hitachi SAN	SCCM
Sandpit	APM		IAM		SharePoint
UWWB	MotorSurvey		Konica		Unicorn
TITUS	BizTalk		MDM		
Bloomberg	DMGT		Jumpbox001		
SYSLOG	RPA		Active Batch		
HRMobile	Reporting		FTP		
DSF	DMS		TOSCA		
eCommerce	WCMS		McAfee		
GRC	PAM		SharedMsgQ		
DC	Kentico		CRAN		
Data	Prophet		FileServer		
WLF	SSO		Tableau		
Swarn app to delete 123234	Talend		VDI		
EG	WIS		CentralLog		
InnoDB	CommonDB		Exchange		
J2EE	DotNetApp		Jumpbox003		
SharedOTP	Hyperion		SFTP		

Treatment Advisor

Type: ● Technical

(radar chart with axes: Replatform, Rehost, Retire, Replace, Retain, Refactor)

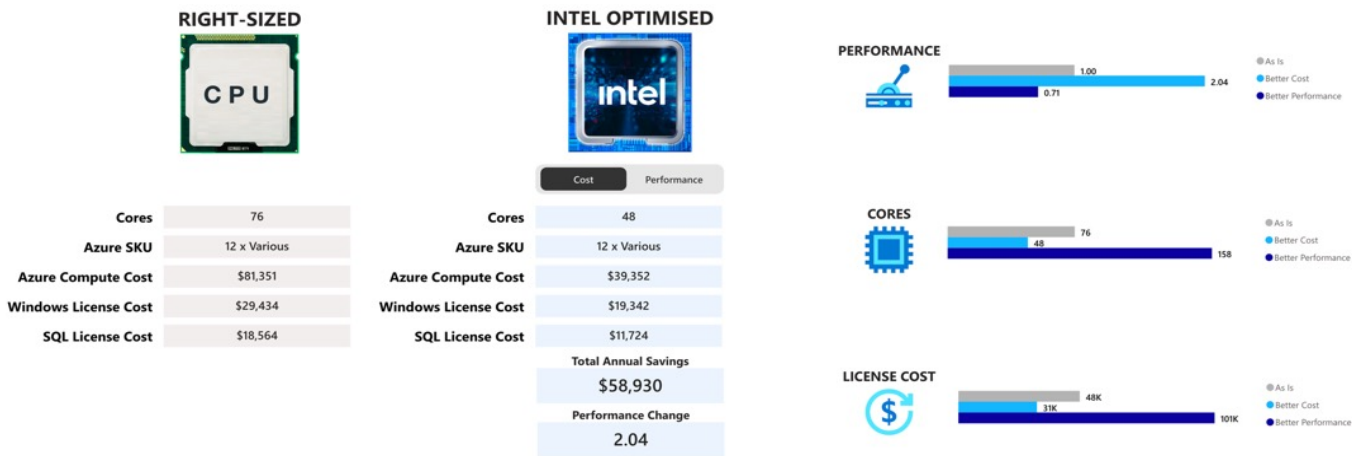**Figure 4.** Dr Migrate helps you decide in real-time based on the 6R framework of cloud migration.

High performance or cost savings? Make it both with Intel + Dr Migrate's optimization engine

Picking the right virtual machines to match your workloads can be difficult and costly. Dr Migrate enables you to boost your IT ecosystem performance at lower cost by intelligently connecting the right VMs to the right server types.

Dr Migrate drives Intel-preferred and latest-gen instances based on benchmark data, recommending the right number of cores and Azure/Windows licenses to suit server utilization and workloads.

Dr Migrate and Intel streamline cloud migration optimization in three simple steps:

STEP 1

Identify your most-used workloads

STEP 2

Match these workloads to optimal Intel VMs

STEP 3

Recommend the right Intel VM based on cost or performance priorities

Intel-optimized workloads' benchmark data integrated into Dr Migrate include:

- MSSQL on SQL Managed Instances, Azure SQL PaaS and Azure VMs IaaS
- PostgreSQL on Managed Instances PaaS, Azure VMs IaaS
- ASP.NET on Container
- NGINX on Azure
- Wordpresson Azure
- Databricks Data Engineering on Azure

Figure 5. Dr Migrate shows you the performance optimizations and cost savings you will get.

This intelligent, automated approach enabled by Intel and Dr Migrate helps you deliver between **200%** to **500%** cost savings for assessed workloads when compared to out of the box right sizing.

Ask less questions. Get more answers.
Kickstart your automated cloud migration now.

Contact us

About Altra

We create AI-powered, cloud-based software that unlocks rapid, predictable business change for our customers and their partners.

With one of the largest and most highly certified Azure engineering practices in the southern hemisphere, Altra develops products that leverage AI technology stack to automate workload migration, lock down security and uncover deep insights with our IoT solutions.

Intelligent automation and data-driven predictability is at the core of everything we do.