

HCLTech | AMD

Transforming cloud and on-prem compute capabilities

For enterprise workloads and infrastructure



Leveraging AMD Assessment Framework for measuring enhanced performance, cost and power

Enterprises today face mounting pressure to scale performance, optimize costs and meet sustainability goals across hybrid cloud and on-prem environments. AMD enables this transformation with high-performance, energy-efficient processor solutions that drive real-world business outcomes—from faster time-to-insight in cloud-native workloads to dramatically reduced TCO in legacy data centers.

Through AMD's enterprise-grade portfolio, businesses can confidently modernize their infrastructure and unlock new value across digital workloads.



Addressing your enterprise compute needs for multiple scenarios



Scenario 1: Cloud Optimization

Outcome: Reduce cloud costs and improve workload efficiency across Azure, AWS and GCP

AMD EPYC™-based instances provide better price/performance and energy efficiency. Using the AMD Cloud Cost and Capacity Assessment and Enterprise Infrastructure Assessment tools, you can assess current infrastructure and receive tailored recommendations to transition to optimized AMD-based cloud instances.

Recommended Steps:

- ▶ Compile a comprehensive inventory of the current Cloud Infrastructure, detailing all instance types within Azure, Google and AWS environments.
- ▶ Collect detailed Workload Telemetry Data, including metrics on memory usage and disk utilization.
- ▶ Input the Cloud Infrastructure inventory data into the Cost and Capacity Assessment (CCA) tool to generate a Cost Optimization estimate.
- ▶ Integrate both the Cloud Infrastructure inventory and Workload Telemetry data into the Enterprise Infrastructure Assessment (EIA) tool to obtain a report recommending optimal AMD instances.
- ▶ Share the generated reports with the FinOps team for financial and operational analysis.

Scenario 2: On-Prem to Cloud (Hybrid Cloud)

Outcome: Seamlessly migrate legacy on-prem systems to the cloud while optimizing for cost, performance and scalability.

AMD cloud-native processor architecture ensures optimized performance for VMs on Azure, AWS and Google Cloud. The AMD assessment framework provides a migration roadmap backed by workload insights, cost modeling and platform-agnostic recommendations—all tailored to AMD-based cloud instances.

Recommended Steps:

- ▶ Gather all relevant data on the current on-premises infrastructure.
- ▶ Compile a detailed inventory of on-premises servers, including VMs and Hyperconverged Infrastructure.
- ▶ Collect Workload Telemetry Data, focusing on memory and disk utilization metrics.
- ▶ Submit the gathered data to recommendation tools such as the EIA and CCA for analysis.
- ▶ Identify available tools on-premises for data collection, particularly focusing on observability tools.



Scenario 3: On-Prem to On-Prem (Hybrid Cloud)

Outcome: Modernize on-prem infrastructure with AMD-powered servers to improve performance, reduce total cost of ownership and increase energy efficiency – without overhauling existing environments.

AMD EPYC-powered servers deliver exceptional performance per watt and cost-efficiency. By using the TCO Calculator, businesses can compare existing hardware with AMD-based solutions to find the most value-driven upgrade paths for VMware, HyperV and Hyperconverged platforms.

Recommended Steps:

- ▶ Enter the specifications of the on-premises servers into the TCO calculator dialog box.
- ▶ Extract and analyze the output, focusing on the three AMD recommended servers for performance and Total Cost of Ownership (TCO) metrics.

Scenario 4: Cloud to On-Prem

Outcome: Repatriate cloud workloads to modern on-prem infrastructure powered by AMD to improve performance, reduce operational costs and enhance data control and compliance.

Organizations seeking to shift workloads from public cloud to on-prem environments can take advantage of AMD-powered server platforms that deliver consistent performance, lower TCO and improved data sovereignty.

Recommended Steps:

- Compile a list of current cloud instances with specifications including CPU, memory and storage
- Map these cloud workloads to equivalent on-prem server configurations based on workload requirements
- Input the on-prem server data into Excel-based and web-based AMD TCO Calculator tools
- Review AMD server recommendations and TCO savings estimates to guide infrastructure planning

Enabling a Smart and Seamless Transition with AMD

Streamlined assessment for better business outcomes

We take a practical, results-driven approach to help you modernize your infrastructure—whether in the cloud, on-prem, or hybrid environments. Our process starts with a full assessment of your current setup to uncover opportunities to:



Boost performance:

Improve workload speed, responsiveness and reliability



Lower costs:

Right-size infrastructure and reduce licensing and hardware expenses



Improve energy efficiency:

Cut power consumption to support sustainability and reduce OPEX

Tools that drive better decisions

We use proven AMD tools that provide clear, actionable recommendations based on your existing infrastructure and workload data.

1

EPYC Instance Advisor(EIA):

Matches your cloud workloads to the best-fit AMD EPYC instances for maximum efficiency and performance

2

Cloud Cost Advisor (CCA):

Analyzes your cloud infrastructure to pinpoint cost savings and recommend optimized AMD alternatives

3

On-Prem TCO Calculator:

Compares your current hardware against AMD server options to identify the most cost-effective and energy-efficient upgrade paths

A clear playbook for cloud and On-Prem optimization

We follow a structured playbook to simplify your transformation journey:

For Cloud Workloads:

- Use EIA to match workloads with the most efficient AMD EPYC cloud instances
- Apply CCA to model potential savings and justify cloud transitions with data

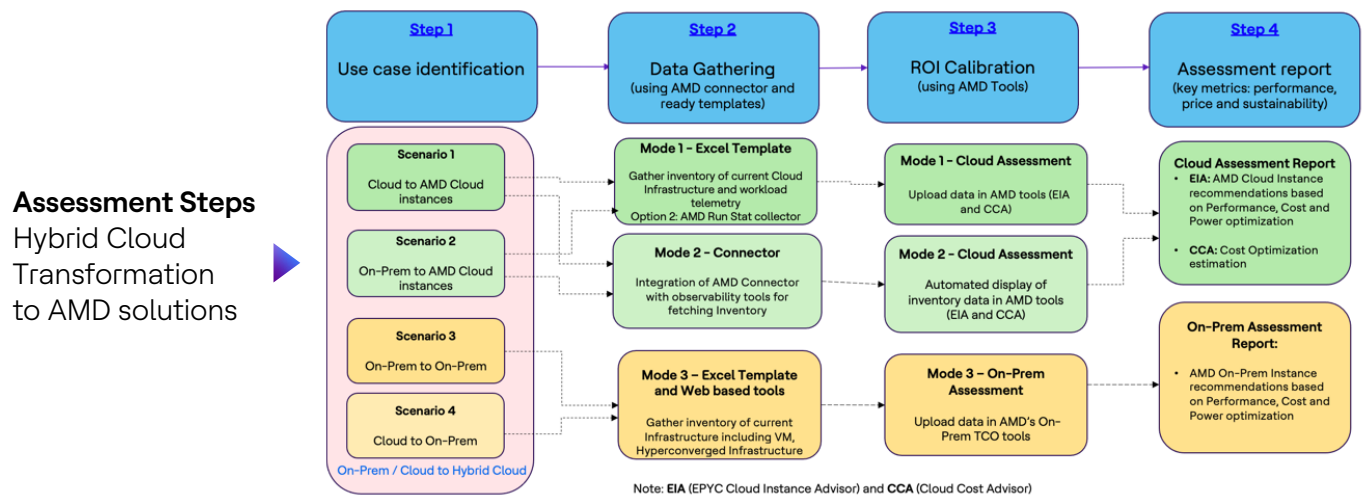
For On-Prem Environments:

- Use the TCO Calculator to assess hardware refresh opportunities
- Compare AMD-based server options for performance, power, and total cost gains

Outcome: A Clear, Data-Backed Path to Infrastructure Optimization

By combining AMD assessment tools with our expertise, we give you a complete picture of where you are—and a clear roadmap to where you can go. Whether you're optimizing cloud spend, upgrading your data center, or building a hybrid model, we help you make confident, cost-effective decisions.

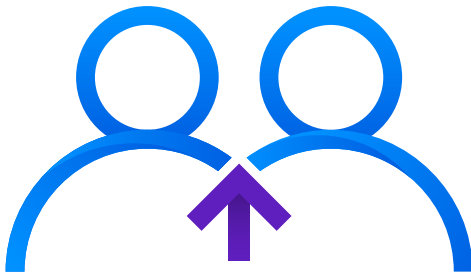
Our framework: Enabling hybrid cloud transformation to AMD solutions



Illustrative view of business value parameters



Why HCLTech and AMD: A Strategic Partnership for Enterprise Transformation



A powerful partnership for real-world results

HCLTech and AMD bring together deep systems integration expertise and world-class compute innovation to help enterprises modernize with confidence. Our alliance empowers organizations to accelerate digital transformation, optimize infrastructure performance and unlock new levels of efficiency and agility across their IT environments.

Co-innovation that drives impact

Rooted in a shared commitment to innovation, our partnership delivers integrated solutions across critical domains—including Digital Workplace, Hybrid Cloud & Data Center and AI/GenAI platforms. Together, we help enterprises solve complex challenges and scale intelligently.

What this means for you:

- Faster time-to-value with proven assessment frameworks and migration playbooks
- Future-ready infrastructure powered by AMD EPYC™ processors
- Increased agility, security and productivity across cloud and on-prem environments
- A trusted partnership aligned to your transformation goals

With HCLTech's global delivery capabilities and AMD's performance-first technologies, you gain the right expertise, tools and roadmap to compete—and thrive—in today's dynamic digital landscape

For more information, please visit our [webpage](#) or write to us at ecosystem.marketing@hcltech.com.

HCLTech | Supercharging
Progress™

hcltech.com