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Broadcom Mainframe Software Resource Intelligence (MRI)

Uncover Hidden Opportunities to Get the Most Out of Your Mainframe

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Do You Know What Your Mainframe is Trying to Tell You?

As the mainframe continues its key and critical role within modern enterprise IT operations, evolving changes within the enterprise are creating challenges for operations teams that rely on and leverage the mainframe as a core element of their IT landscapes. They are tasked with understanding their mainframes in ways they've never had to before, while at the same time driving greater efficiencies and value from the platform to maximize the return on their mainframe investment.

The fact is, it's very difficult to find the time, money and resources to properly evaluate your mainframe, and nearly impossible distinguish the signals from the noise. Simply put, there's just too much data to look at, and too few hours to sift through and analyze it all. You need a way to identify and focus on key data for *your* mainframe, for *your* key business goals and objectives.

IT teams know that software solutions can help them meet the need to understand their unique mainframe environment. The problem: analyzing data on-prem is expensive, but analyzing off platform requires moving data off-prem—and that requires a great deal of trust.

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An Industry-First Tool for Truly Understanding Your Mainframe Environment

Introducing Broadcom's Mainframe Resource Intelligence (MRI), a cloud-based analysis tool that helps you prioritize and comprehend key data from your mainframe, quickly, easily, accurately and securely.

MRI helps you understand what your mainframe is trying to tell you, using data from your mainframe to identify potential issues, opportunities and risks in your environment. It delivers easy-to-grasp reports that can be automated to provide the transparency required, with minimal impact on your mainframe operations team.

How it Works MRI is simple to use

WE SCAN, collecting only the relevant data required to perform an analysis.

WE ASSESS, utilizing sophisticated analytics and crunching the data, often in only seconds.

WE REPORT, transforming data into actionable results…providing concise recommendations in just minutes.

THE END-RESULT: a tool that helps you make data-driven decisions to optimize operational efficiencies, reduce risk & lower your total cost of operation (TCO).

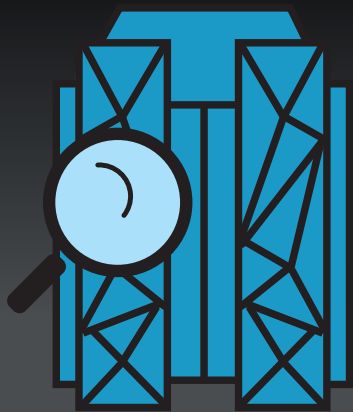## A Diagnostic Tool Inspired by Medicine

In the healthcare industry, an MRI scan reveals what's going on within a patient's body. This helps doctors identify the cause of issues and the best options for putting a patient on the path to recovery.

MRI allows you to scan and assess your mainframe environment in a similar way, providing actionable findings and recommendations, all in a secure environment built to protect your privacy and keep you firmly in control of your data.

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63% ▼

Overall lowered costs when automated with MRI versus previous efforts

160 HOURS

Time required to inventory assets before MRI

65 HOURS

Time required with MRI

59% LESS

Time required to meet audit needs

92% ▼ Reduction in time required to generate key reports that MRI automated

79% ▼ Reduction in cost to conduct capacity optimization analysis

94% ▼ Reduction in time needed to check ESM config and settings

Benefits Include Optimized Operational Efficiencies, Reduced Risk, and Lowered Costs

Hundreds of organizations have used MRI to automate reporting, **saving up to 63%** over manual efforts. Along with saving time and costs, they are ultimately driving greater efficiency, thanks to its customized, data-driven insights and actionable recommendations—and freeing up critical resources to focus on keeping the lights on.

Service Provider Related

- 59% reduction in costs to service their existing customers with reports and analysis

- 93% reduction in time and costs to prospect for new customers

Direct Customer Related

- $250K saved with 1 hours work with MRI's Capacity Metrics Report

- Greater than 5x return on investment opportunity to optimize capacity through dynamic management

- Identified opportunity to reduce total capacity spend by 23.1% annually

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We Take Security SERIOUSLY

MRI was designed from the ground up with your data security in mind. We built it to international security and data privacy standards, adopting the EU's GDPR Security by Design and Security by Default principles. We also adhere to the enhanced NIST DISA security standards as required by FedRAMP.

When you use MRI, you can be assured that:

- All Data is Encrypted at All Times, in flight or at rest. All backups are also encrypted.

- MRI Data Files Contain No PII Data. We publish exactly which data is gathered and used to generate the analysis for each assessment.

- You Control Who Can Access Your Data, and you can delete it at any time.

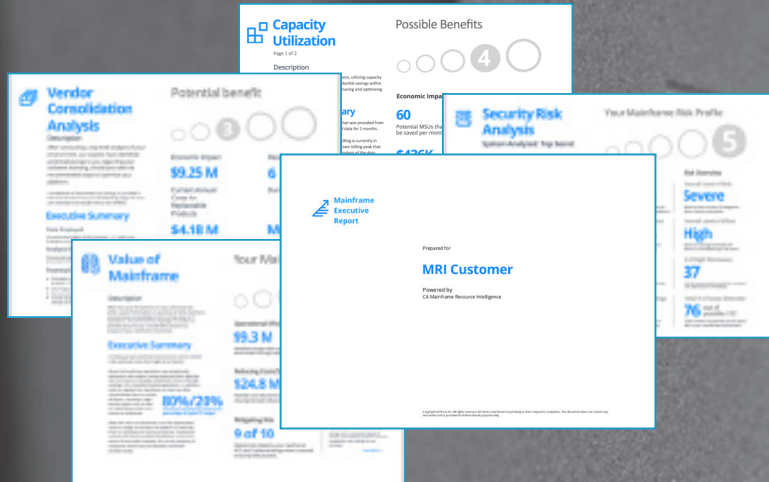> **No one—not even MRI team members—can access your data unless <u>you</u> explicitly grant them access.**

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Use Cases

There are many ways in which organizations are making data-driven decisions using MRI to prioritize investments, optimize operational efficiencies, reduce risk, and lower TCO. Here are some real-world examples.

1. UNDERSTANDING AND PRIORITIZING MAINFRAME INVESTMENTS

SITUATION
A global insurance company executive wanted to understand their mainframe needs better as he made key investment decisions.

ASSESSMENT
MRI Executive Report.

INSIGHT
Using a report designed by and for executives, the exec made data-driven decisions for his mainframe based on ROI.

IMPACT
Automation of reporting around highest value opportunities to drive efficiency, cost reduction and risk mitigation projects with ROI impact.

2. IDENTIFYING CAPACITY ISSUES

Actual screenshot of the uncapped critical workload ID'd by MRI

SITUATION
National Financial Services & Insurance Company needed a faster way for analysts to review key capacity metrics over time.
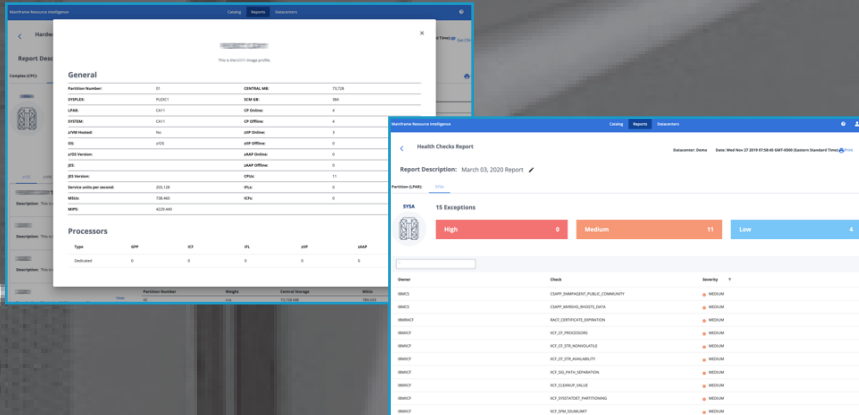
ASSESSMENT
MRI Capacity Metric Report

INSIGHT
Within 10 minutes of running the report, an uncapped critical workload was discovered.

IMPACT
1 hour's work reduced costs by hundreds of thousands of dollars.

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3. ACHIEVING WHOLISTIC VIEW OF MAINFRAME ENVIRONMENT

SITUATION
Large Government Agency required a more detailed view of their MF environment.

ASSESSMENT
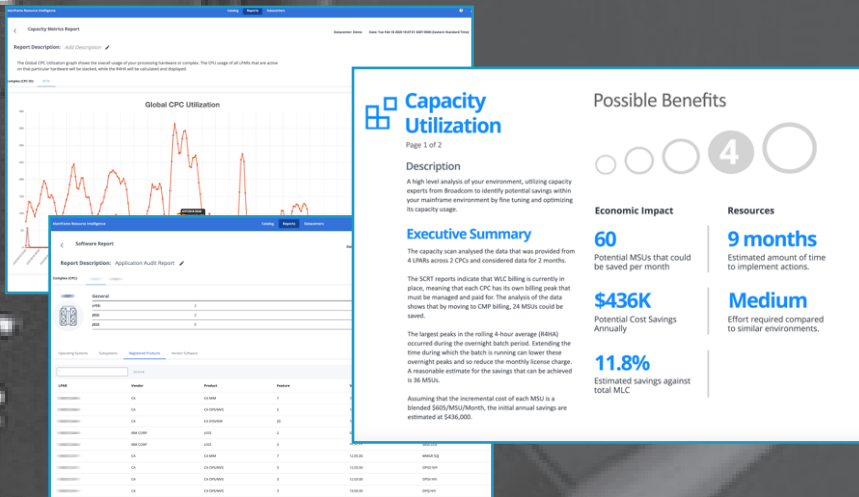MRI Software, Hardware, and Health Assessments.

INSIGHT
MF Operations team generated detailed reports in <1 hour.

IMPACT
From days/weeks to fully automated—more detail than ever before in much less time.

4. UNDERSTANDING ACQUIRED COMPANY'S MAINFRAME ENVIRONMENT

SITUATION
Rapidly expanding Regional Bank had to quickly understand the MF environments of new acquisitions.

ASSESSMENT
MRI Software, Hardware, Health, and Capacity Assessments.
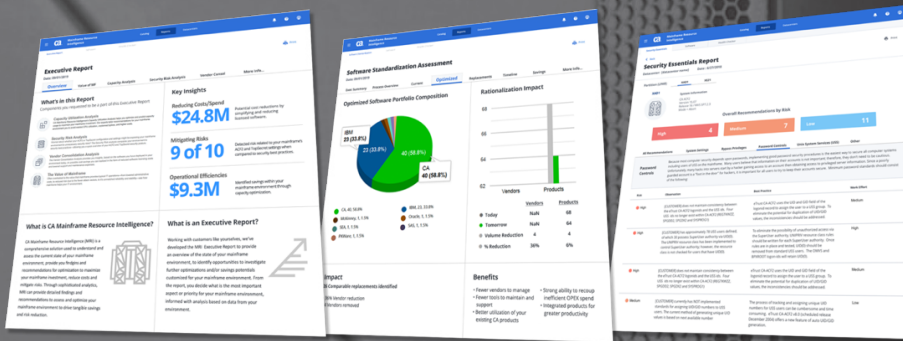
INSIGHT
Critical data gathered without burdening the acquired conpany's MF team.

IMPACT
Requisite Insights quickly provided to facilitate IT systems intergration planning with complete transaparancy.

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5. AUTOMATING MAINFRAME OPERATIONS REPORT CREATION

SITUATION
A large Insurance Company sought to automate the creation of mainframe reports required for management & optimization.

ASSESSMENT
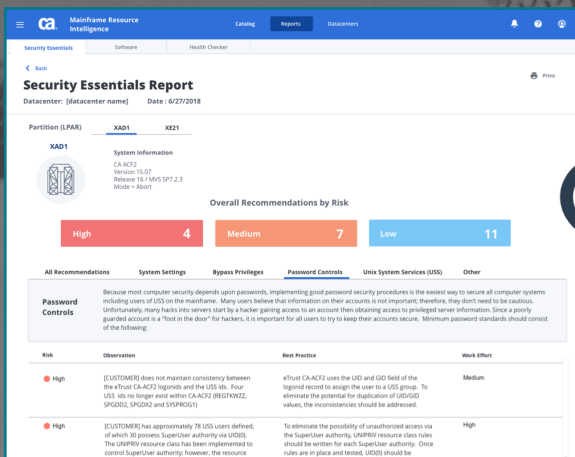Complete MRI suite of assessments.

INSIGHT
Automated Assessments stream-lined periodic, annual & semi-annual reporting for planning purposes.

IMPACT
MRI replaced or supplemented existing reports saving significant time & resources.

6. AUTOMATING SCANS OF KEY SECURITY PACKAGE SETTINGS

SITUATION
Financial Institution sought to mitigate insider threats and external hack attempts.

ASSESSMENT
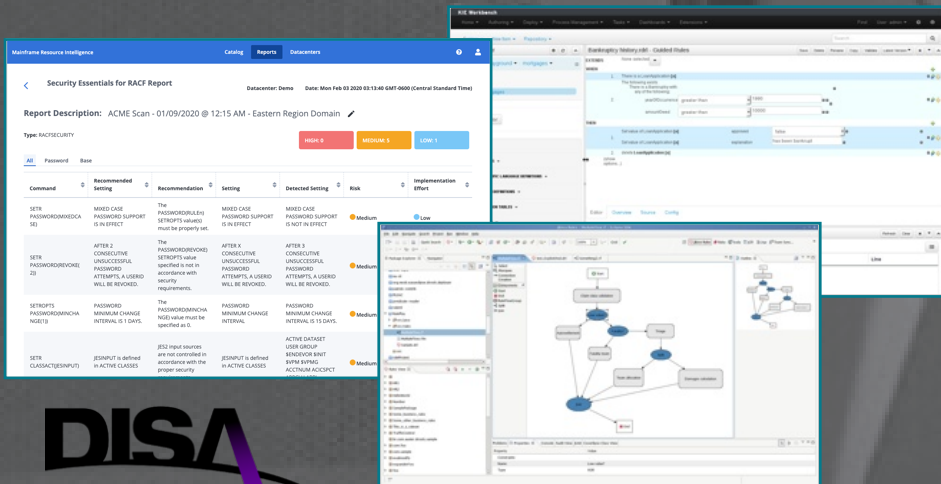MRI Security Essentials.

INSIGHT
Automating scans relieved scurity admins from a monotonous task prone to human error.

IMPACT
94% reduction in time and effort to perform task and the elimination of a task prone to human error.

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7. ENHANCING COMPLIANCE WITH SECURITY BEST PRACTICES

SITUATION
A Credit Reporting Agency wanted additional ways to check multiple sites for adherence to security best practices.
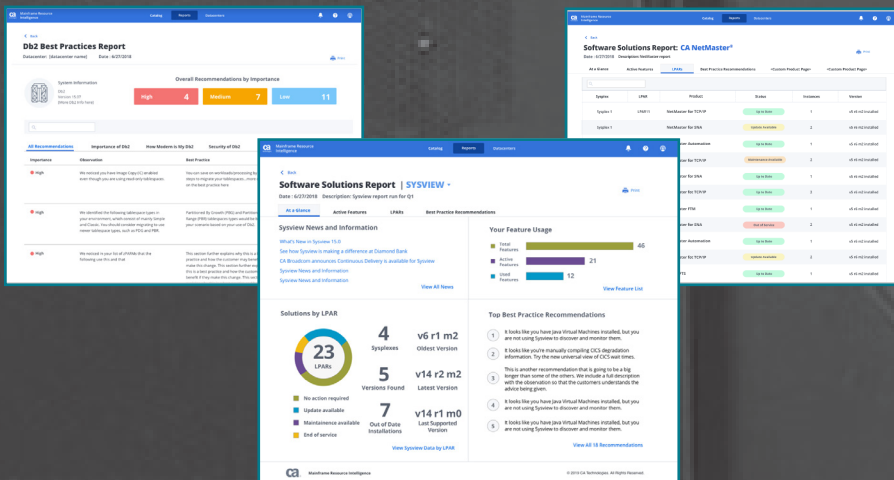
ASSESSMENT
MRI Security Essentials

INSIGHT
Ability to automate gathering of data and analyses, enabled hundreds of checks with minimal effort and cost.

IMPACT
Replaced solution costing 10x more while providing results faster and with less effort.

8. MAXIMIZING THE RETURN OF YOUR SOFTWARE INVESTMENTS

SITUATION
A large national bank wanted to better manage, maintain, and optimize software deployed in their mainframe.

ASSESSMENT
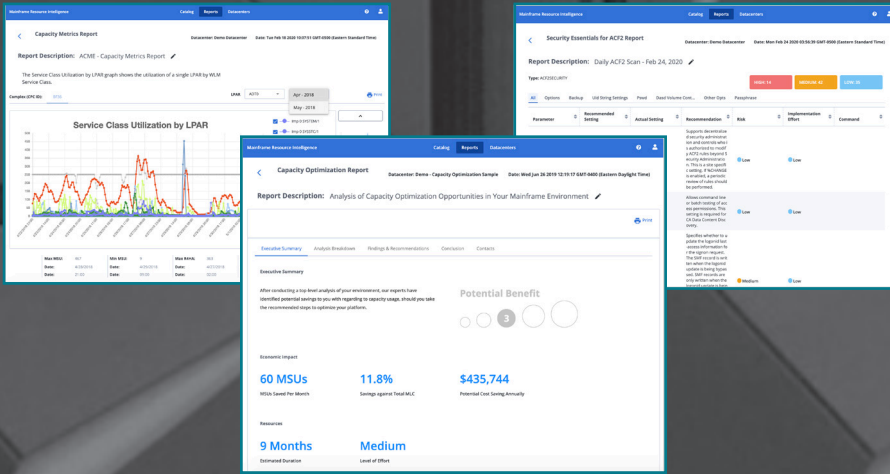MRI Software Solutions Report.

INSIGHT
Config and installation teams often struggle to keep up with the latest—not to mention users wanting the latest features.

IMPACT
>90% reduction in time to identify back-leveled versions, catch misconfigurations, and optimize deployed apps.

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9. PROVIDING VALUE FOR MULTIPLE MAINFRAME CLIENTS—AT REDUCED COSTS

SITUATION
A global service provider wanted to provide its customers self-service reports and analyses.

ASSESSMENT
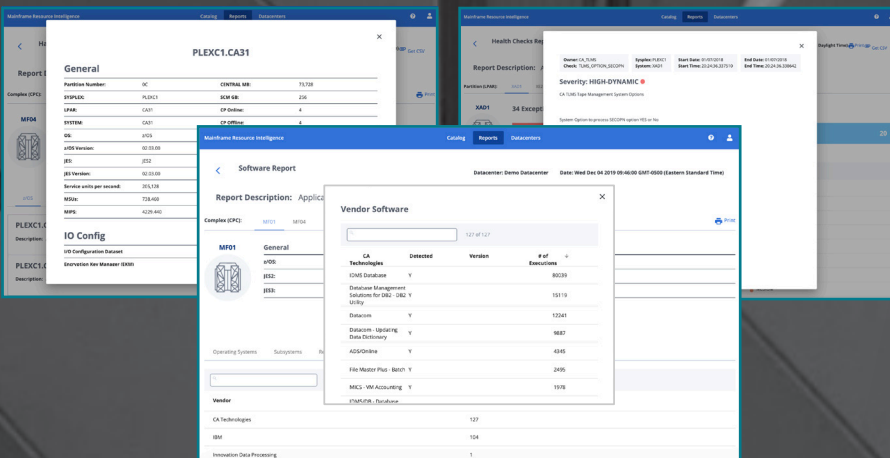MRI Capacity Metrics Report, Capacity Optimization, Security Essentials assessments.

INSIGHT
Allowed customers to generate reports at their convenience, significantly reduced provider costs through MRI automation.

IMPACT
99% reduction in time to generate reports, overall lowered costs by 53% for in-depth analysis MRI provided.

10. USING THE BENEFITS OF MRI TO ATTRACT NEW PROSPECTS

SITUATION
A large service provider was exploring ways to improve the experience of potential customers by enhancing its quote process.

ASSESSMENT
MRI Hardware, Software, Health, and Capacity Optimization Assessments.

INSIGHT
MRI enabled the provider to generate more accurate and competitive quotes, in less time and with lowered costs.

IMPACT
93% reduction in costs to generate quote, in 1/8th the time previously required to analyze the most complex mainframe environments.

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The MRI Catalog of Assessments

MRI features a wide range of assessments, with even more being created by Broadcom mainframe teams, other Broadcom divisions and franchises, and even our partners. Here are some of the assessments available today in the catalog:

Executive Report: An assessment designed by and for executives that provides a high-level summary of available MRI analyses, allowing executives to identify and prioritize areas of interest within their mainframe environment..

Software Assessment: Understand what and where software is deployed within your mainframe environment.

Hardware Assessment: Quickly understand what hardware assets are deployed within your mainframe environment.

Health Assessment: A single consolidated report for all of the health exceptions that currently exist within your maiframe environment.

Security Essentials Assessments: Compare key security package (AFC2, Top Secret, RACF) configuration and settings against industry best practices.

Capacity Optimization Assessment: A deep dive analysis of your mainframe capacity use, focused on optimization and cost reduction performed by analysts with with decades of experience analyzing hundreds of mainframe environments.

Capacity Metrics Reports: Track key capacity metrics over time to understand your mainframe's capacity use and identify future needs.

Software Standardization Assessment: Identify opportunities to reduce software licensing costs by reducing and simplifying your software portfolio.

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The Future of MRI

YOU TALKED. WE LISTENED:
We built each MRI assessment based on what customers told us they needed to better understand their mainframe operations.

The MRI catalog of assessments continues to evolve and expand as we look for new ways to provide additional insights that you can use to guide you on your path to greater productivity and value for your mainframe environment..

Our vision is to provide MRI assessments that address the highest priorities of our customers. In order to do that, we listen and allow you to guide us as we decide what assessments we should invest in creating.

In fact, that's why we built each assessment that's in the catalog today. Our new Software Solutions Report, for example, will give customers an unprecedented view into our solutions, highlighting back-leveled versions, what features were installed per instance, and even feature use. On top of that, products will be able to analyze each instance against best practices, flagging opportunities to fine-tune, optimize and address possible misconfigurations for every instance of the product deployed in your mainframe environment.

We will leverage the data from your MRI assessments to provide unique insights into your mainframe environments that you've told us are priorities for you, helping define and analyze your mission critical business applications. The ultimate goal is to model the ideal state of your mainframe environment, and then help you take steps to move your mainframe closer to that idealized state.

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connecting everything®

Get Started on Your MRI Journey with Broadcom Today

You can begin your no-charge MRI Test Drive for any—or even every—MRI assessment by visiting:

broadcom.com/tryMRI

About Broadcom Mainframe Software Division

Broadcom Mainframe Software Division continues to drive the next evolution of open, cross-platform, enterprise innovation. We specialize in DevOps, Security, AIOps, and Infrastructure software solutions that allow customers to embrace open tools and technologies, make Mainframe an integral part of their cloud, and enable innovation that drives business forward. We are committed to forging deep relationships with our clients at all levels. This goes beyond products and technology to partner in creative ways that support customer success.