

July 1, 2020

# Hot Spot Assessment and Performance Diagnostics Offering

Jim Burnham

jburnham@primetsr.com

847.226.0714

### What We Do and How We Help



- Outages and instability
- Service interruptions
- Complaints and changes



## Service & Operational Efficiency

- Reduce cost and waste
- Increase transparency within IT
- Maximize return on investment



### Value Assurance

- Articulate the value of technology
- Align IT with business strategy
- IT spend analysis
- Risk evaluation

#### Weather the storm

- Reduce the risk of critical issues
- Prevent service interruptions and revenue impacting instability

#### Run a tight ship

- Utilize resources more efficiently
- Leverage your technology more effectively

#### Full speed ahead

- Business aligned risk management
- Tell a clear story of measurable investment value

#### **INFRASTRUCTURE & NETWORK**

**APPLICATIONS** 

DATA MANAGEMENT & ANALYTICS

CYBER SECURITY

CLOUD SOLUTIONS & PLATFORMS

### **Assessment Offerings**

	Hot Spot Assessment	Performance Diagnostics
Objectives	<ul> <li>✓ Identify areas of system architecture that may lead to performance, stability and scaling challenges</li> <li>✓ Evaluate current delivery capabilities to manage system performance</li> <li>✓ Recommend improvements</li> </ul>	<ul> <li>✓ Monitor performance issues in a live system and analyze the collected metrics</li> <li>✓ Diagnose root causes of performance degradation across the infrastructure and application stack</li> <li>✓ Recommend improvements and assist with implementation</li> </ul>
Skills Applied	<ul><li>✓ Technology Architecture</li><li>✓ Delivery Architecture</li></ul>	<ul><li>✓ Performance Diagnostics</li><li>✓ Delivery Architecture</li></ul>
Tool Requirements	Architecture Assessment Frameworks	Performance Diagnostics Frameworks
Environment Requirements	N/A	Production Environment or Suitable Analog
Duration	3 - 4 weeks	4 – 6 weeks
Costs	\$55,000	\$70,000

### • Hot Spot Assessment Overview

### **Project Description**

- > The Hot Spot Assessment is a structured exercise focusing on key aspects of a solution architecture and its ability to meet the product roadmap requirements
- The scope and focus of the assessment is defined through initial interviews and includes application architecture, infrastructure and DevOps
- Follow-up interviews are conducted to probe deeper into the particulars of the architectures being evaluated
- Findings and recommendations are compiled and delivered to the technology stakeholders

### **Key Team Resources**

- Enterprise Architect
- DevOps Architect

### Project Timeline (3 - 4 weeks)

Week 1 Week 2 Week 3 Week 4

Conduct interviews and review architecture Prepare findings and recommendations Deliver final presentation

The project duration may vary based on assessment complexity. The timeline shown above is typical for a medium-complexity assessment

### Performance Diagnostics Overview

### **Project Description**

- > The objective of a Performance Diagnostic is to diagnose a set of performance and stability issues and create a remediation plan
- > The scope and goals are defined in the initial interviews
- Diagnostic tools are deployed to collect the performance metrics
- > Metrics are analyzed to determine the root cause and remediation steps are documented and prioritized based on complexity and impact
- ➤ If the issues are impacting the production system, remediation steps are executed immediately, following by the verification and further diagnostics (optional)

### **Key Team Resources**

- > Enterprise Architect
- Performance Architect

### Project Timeline (4 - 6 weeks)



The project duration may vary based on assessment complexity.

The timeline shown above is typical for a medium-complexity assessment