

#### **Office Resource and Performance Optimizations**

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Resource and performance optimization overview

Resource and performance optimization practices in M365

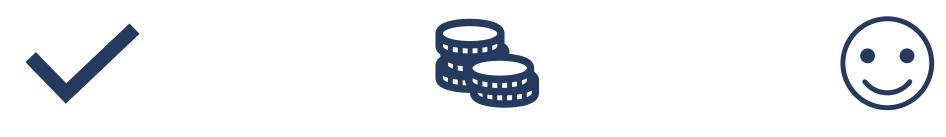
Office add-ins performance optimization

Best practices



# Resource and performance optimization overview

#### Why resource and performance optimization

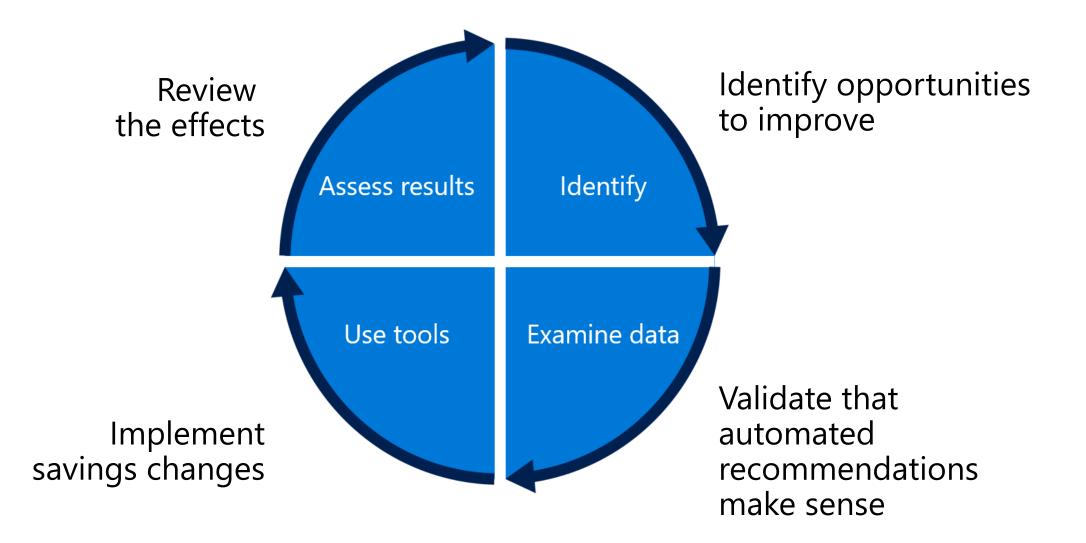


**SCALABILITY** 

TCO

#### CUSTOMER EXPERIENCE

### Lifecycle of resource optimization



### **Resource Optimization Guiding Principles**

1) Resource Optimization: Identify resources that aren't fully utilized, remove undesirable redundancies and right size computing resources. Duplication, undesirable redundancy, duplicate functionality, cost take out, improve utilization.

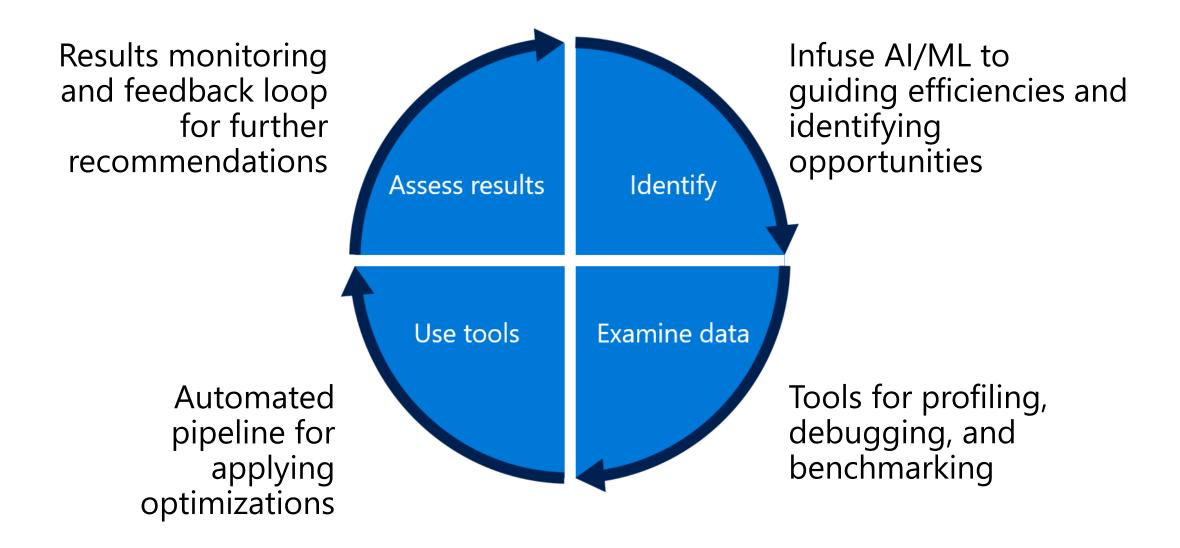
2) Value Extraction: Look at Microsoft platform digital capabilities for added value that lead to operational efficiencies. Extract more value through operational efficiency. Improved decision making, agility, speed of execution and improved business value outcomes.

3) Architectural **Enablement:** Resource optimization and value extraction are enabled by a sound architectural blueprint that defines the service delivery model and resilience of your digital platform. Transforming the organization. Creating new business products and services enabled by technology.

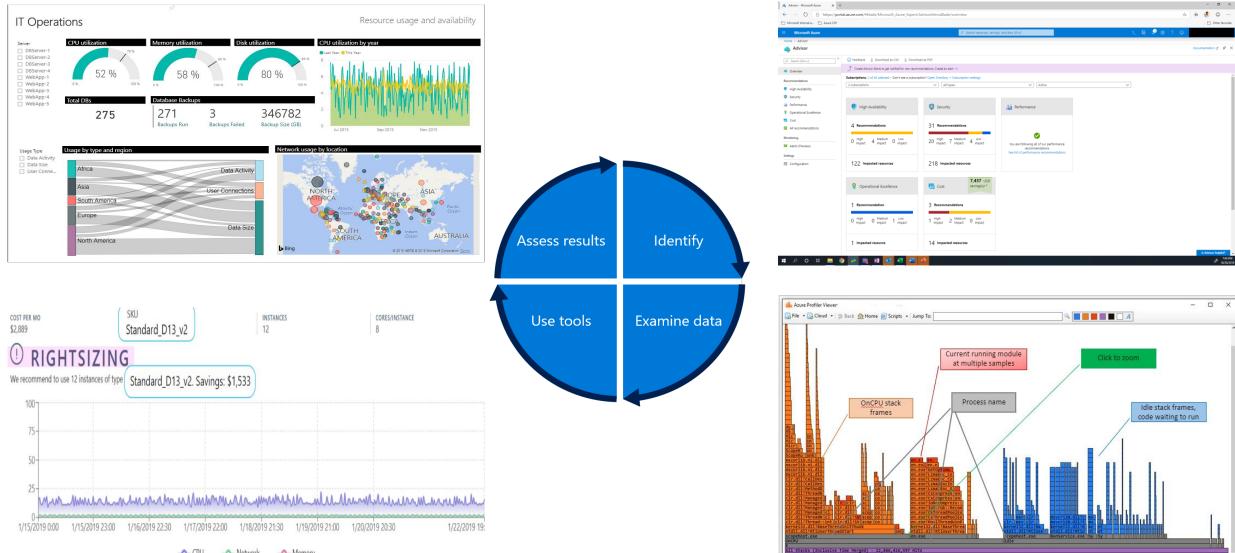


# Resource and performance optimization practices in M365

## **Optimization practices in M365**



### **Optimization practices in M365**



-O- CPU -O- Network -O- Memory



## Office add-ins performance optimization

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#### Resource usage limits

- CPU core usage A single CPU core usage threshold of 90%, observed three times in default 5-second intervals.
- **Memory usage** A default memory usage threshold that is dynamically determined based on the available physical memory of the device.
- Crash tolerance A default limit of four crashes for an add-in.
- Application blocking Prolonged unresponsiveness threshold of 5 seconds for an add-in.

#### Add-in performance optimizations

- Identify use Azure Monitor to observe and monitor application behavior and health
- **Examine data** several options to collect application performance data for application profiling such as Application Insights Profiler, Remote Profiling, diagnostics tool
- Use tools fix and publish App in Visual Studio, scale the app, or use AutoHeal to recycle the app
- Assess results continues to use Azure Monitor to tracking application health

#### **Best practices**

#### Resource:

- Azure first mindset
- Monitor and rightsize resources proactively
- Automate resource optimization process

#### Performance:

- Ensure that all user interactions respond in under one second, and provide loading indicators for long-running operations
- Monitor your service health, and use telemetry to monitor user success
- Follow standard web practices to optimize your web page
- Use Azure Application Insights Profiler to identifying code/performance bottlenecks

Resource & Performance:

Use Azure Advisor for intelligent recommendations

#### Thank You!