

DevOps Optimization

The focus of DevOps is to get applications into production with increased agility. The objective of this service is to understand the performance and capacity considerations of new applications as they move into production.

ITBI™ creates transparency into which applications are using how much capacity on which servers, and helps understand:

- Do the servers have enough capacity to service the applications? Is there a potential for improved quality of service by providing more capacity?
- Are the servers over configured, compared to the application's needs? Is there a potential savings from rightsizing the servers?
- Which processes on the servers are the heaviest resource consumers? This provides an important feedback to the developers that can be used for performance optimization or cost savings.

The objective of this service is to provide a common basis for dialog between the developers and the operations staff about how mainframe capacity costs and performance are affected by the current application portfolio and how changes to applications affect those costs.

Objective

While the primary focus of DevOps is getting applications in production with increased agility, it is also important to understand the capacity and performance implications of rolling out new applications or making changes to existing ones. The developers often only have a limited basis to estimate production capacity requirements. In some cases, this means too little capacity in production – resulting in performance problems and unhappy users. But the opposite is also all too often the case. The servers are set up with much more capacity, and much higher cost, than required. ITBI creates transparency into which servers are over- or under-utilized and identifies rightsizing and cost savings potential.

The objective of this offering is to provide a common basis for dialog between the developers and the operations team about server capacity utilization and to identify rightsizing and cost savings potential.

What we will deliver

SMT Data installs an ITBI collector program on a server in the Customer's environment. The ITBI collector gathers data about configured and used capacity and performance from each

Windows and Linux server for a period of 2-3 weeks. This data is safely uploaded to a cloud-based data warehouse and made available for

analysis in ITBI via a browser. The technical data is

enriched with business mapping data, identifying which part of the organization a server belongs to and which applications are running on it.

SMT Data consultants analyze the data and document the findings and recommendations.

The Customer receives a final report including:

- An indication of the capacity utilization and rightsizing potential seen from the server perspective, but also from the organizational and application perspective based on the business mapping
- A prioritized list of rightsizing recommendations and expected results
- Specific examples showing detailed utilization reports for selected servers
- Overall conclusion and recommended next steps

A workshop is held with the customer to go through the findings and recommendations.

The Customer is provided access to the ITBITM environment on a cloud server for a period of one month to do further analysis or better understand the findings and recommendations.



Time frame

2-3 months including 2 workshops.

Each of the three phases takes 1-2 months. The phases can be carried out as one or three separate projects.



Customer requirements

The Customer provides SMF data from the main-frame environment and a server and the necessary authorizations for installation and execution of the collector software for the server environment.



For more information

Please contact us on sales@smtdata.com