Know Your Application Dependencies
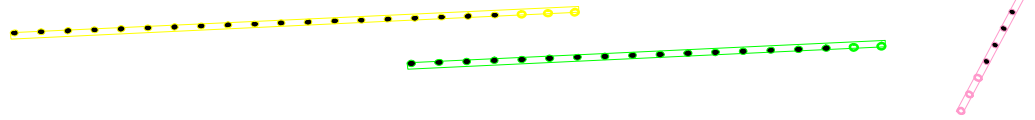
Uncover vulnerabilities and predict outcomes

IT delivers greater than 65% of its value from applications, and those valuable applications ride on the infrastructure. Only the top 10% of organizations understand the key relationship of their systems to true business value. Most operate blind.

It is just good business practice

Most organizations have five, ten, or twenty-five top applications on which the business relies. The obvious leaders include ERP, sales, reservations, patient-care, HRIS, accounting, manufacturing and operations systems. Depending on your industry, the list is longer and the criticality to the business may be greater.

As a prudent business leader, shouldn't you know how these critical business systems interact?

- Without effective dependency mapping, your infrastructure and application teams essentially operate in the dark, not easily knowing what changes affect which systems.

- When system failures do occur, lack of dependency maps lead to longer outages and higher lost productivity costs.

- Enterprise architecture and development teams are less agile when they do not have a roadmap of how the applications and infrastructure interact.

It is not as hard as you think

The easy answer is "Yes, we'd like a dynamic map of our applications and infrastructure." But obtaining this invaluable information is easier than you think.

- First – your infrastructure is largely static. Yes, you have many devices and a dynamic change environment, but underneath, the physical layer of these devices, on a percentage basis, is largely static.

- Second – the application architecture rarely changes. While new application features are constantly being deployed, the architecture and infrastructure interaction only change on major product or version upgrades.

Effective dependency mapping is largely a "first-time build" challenge, and keeping the dependency maps current is not as hard as you think.

> "Without mapping our application relationships, we were constantly shooting ourselves in the foot."

Net Watch
Solutions, Inc.

How often can you truly be surprised by a dependency you should have known about?

To achieve the highest levels of efficiency, and to maintain at least a minimum level service quality, IT organizations must understand the relationships between their systems.

The data typically exists across several disjointed systems and heightened by specific process gaps. Data to map your infrastructure dependencies exists in your CMDB, system monitoring tools, and configuration management systems – VMWare, SolarWinds, SCOM, SCCM, and the like.

Vital application dependency data resides in numerous systems too – Jira, CFEngines, Bladelogic, Puppet, and other application deployment tools.

Process gaps exist where the dependencies of new applications are not mapped as part of their deployment. Major infrastructure changes are not planned nor implemented with updated mapping to the existing or changed environment. Project management, SDLC, IT Change Management, and Disaster Recovery planning are all vital process steps that aid your requirement to maintain accurate dependency maps.

We create dynamic dependency maps for you. We make it easy.

Let us show you how.

www.netwatchsolutions.com

Dependency Mapping is a Core Practice

But your environment is different – and actually it is.

Our Dependency Mapping service begins with an Assessment. We begin with the end in mind, a holistic system that allows you to keep your dependency maps accurate and up to date. Accurate dependency maps help agility, improve service quality, and aid disaster recovery activities.

Your complete solution relies on the unique blend of support tools and operational processes that exist, or are planned for your environment. You reduce costs by relying on existing systems and modifying procedures to support improved documentation.
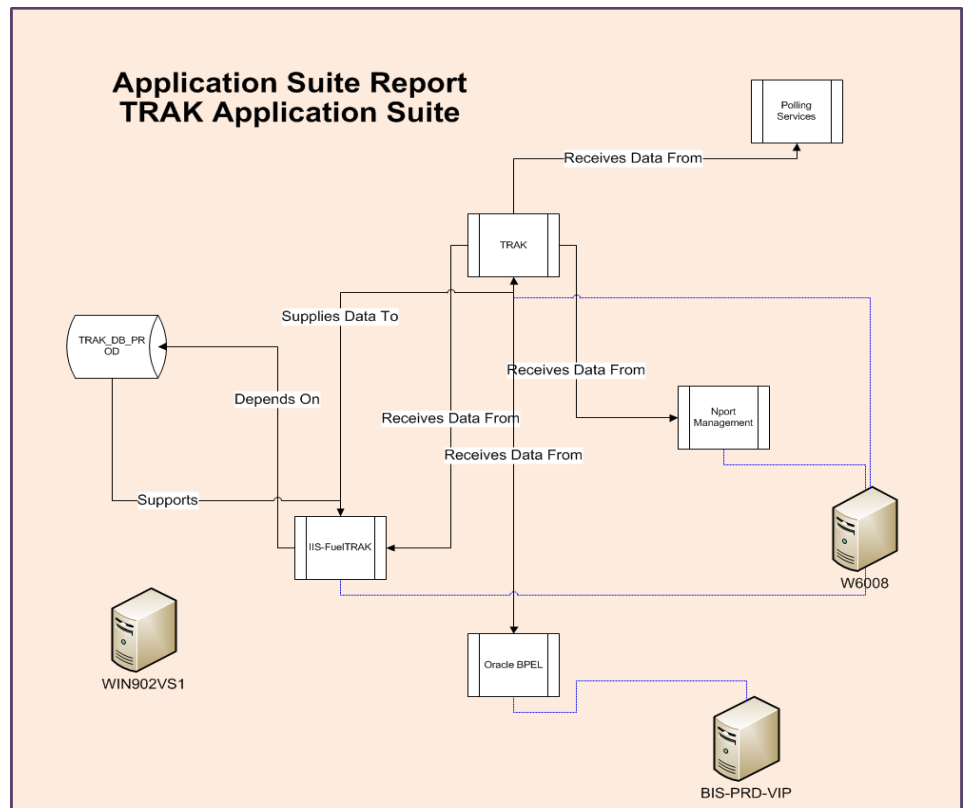
Let us show you how.

Start small and grow your campaign

We start by mapping the infrastructure and your top applications. Automation and tool integration is often a key component. Process changes in project management, software development, change management, incident management, and disaster recovery solidify your dependency mapping campaign.

Easily map your top business applications to predict future outcomes and avoid negative impacts.

- eReservation

- eReservation is an external application. It is installed on FS_RESERV_PROD.

This application is used by 3 business groups and has 2 application relationships. Over the last 60 days, this application has caused 1 outage and has undergone 1 change .

- eReservation
↓
FS_RESERV_PROD
↓
DC 1 - Rack 5
↓
0 - Northern Region DC

Automated Visio™ application and network diagrams readily show your system dependencies

**Application Suite Report
TRAK Application Suite**

Polling Services

Receives Data From

TRAK

Supplies Data To

TRAK_DB_PROD

Depends On

Receives Data From

Nport Management

Receives Data From

Receives Data From

Supports

IIS-FuelTRAK

W6008

WIN902VS1

Oracle BPEL

BIS-PRD-VIP

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