



Manage your Business Proactively with

**DDÉ** (Dependency Discovery Engine)

Real-Time Agentless Discovery

## Overview

Perpetuuti DDE enables Real-Time visibility into applications and their IT infrastructure dependencies to manage business proactively.

With ever-growing infrastructure complexity, and with the increasing need to align IT resources and services with business functions and goals, organizations today have to see — so they can manage — more deeply than ever before. To track dependencies, IT infrastructure has relied on conventional techniques such as endless spreadsheets and extensive audits. But the proliferation of virtualized data centers, cloud, and micro services, has made it increasingly difficult to track dependencies using these archaic methods. Now, application maps are usually the first step to visualizing complex IT environments.

With Perpetuuti DDE, you can get a holistic view of your dynamic and complex IT infrastructure, easily drill down to IT relationships, and map them effortlessly!

### Automated Application Interdependency Mapping (AAIM)

DDE has the capability to map every configured application with the in-bound and out-bound dependencies / Interdependencies automatically in Real-time and it does not require any agents or scripts to be available in the Production Application environment to capture the interdependencies.

It updates CMDB with the auto discovered information dynamically and uses the same to calculate the Business Impact whenever any of the applications goes down to bring more visibility for the CXOs to understand the actual impact and takes an informed decision accordingly. It also helps them quantifying the impact as financial data through What-If Analysis. Performs the dependency mapping.

### Automated Application IT Infrastructure Discovery (AAID)

DDE also does the auto discovery of all the Application Infrastructure environment with all components involved within the Production Network. It also updates CMDB with the relevant information related to the discovered components including Server, Storage and Network devices and also represents the same diagrammatically as an architecture view.

With Perpetuuti DDE, you can get a holistic view of your dynamic and complex IT infrastructure, easily drill down to IT relationships, and map them effortlessly!

# Current Application Dependency Mapping Process

DDE allows to automatically discover and map application dependencies within specified network



Figure A

DDE starts scanning the range of given subnet as shown above and discovers all the services running on each Host in the network along with port details. It also discovers dependencies between hosts automatically as part of the discovery process and display the representation of the same diagrammatically on the dashboard.

Below screenshot shows a sample dependency diagram



Figure B

Any Host that the user selects to view the dependencies will be displayed as shown in the diagram above with the other dependent nodes connected to it. Any application host that gets impacted will be shown highlighted in 'red' for easy understanding and also shows the cascading effect of the same onto other dependent nodes.

This helps the user understand the holistic view of the consolidated impact in the environment.

A mouse-over on the specific Host will display a tooltip with the information about the services that are running on it as shown in Figure C.

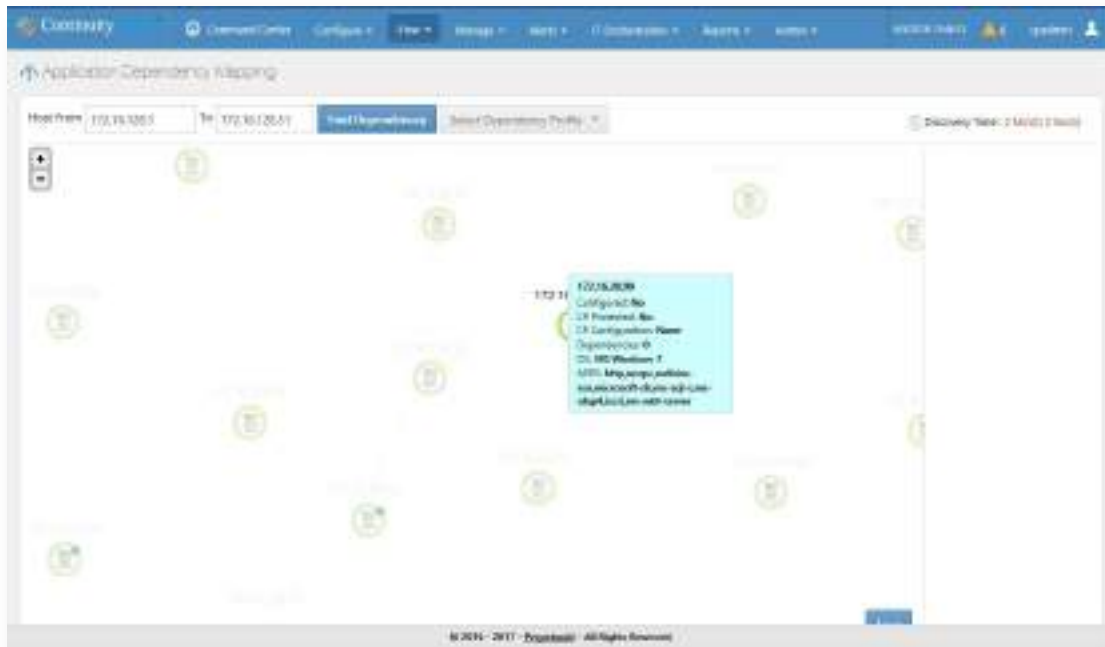


Figure C

Alternatively, the user also can tag the dependencies manually by right clicking on node and keying in the information by selecting 'Tag Entity' option (Figure D).



Figure D

User can mention Name, Description and Criticality Level to tag an application host (Figure E).

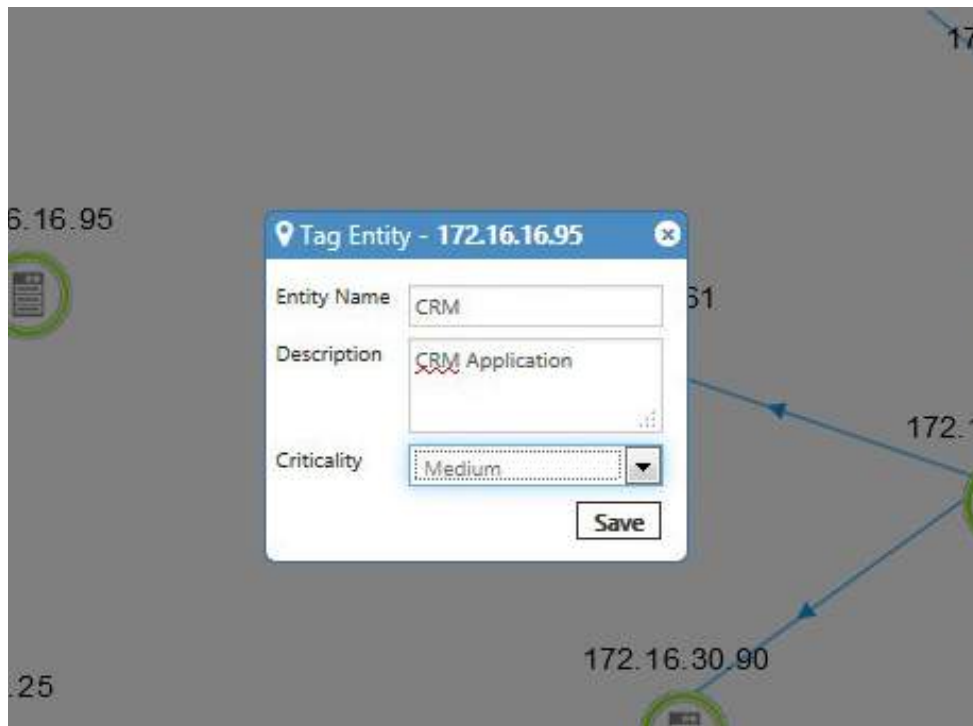


Figure E

User can also edit discovered dependencies and can mark / un-mark dependencies manually (Figure F).

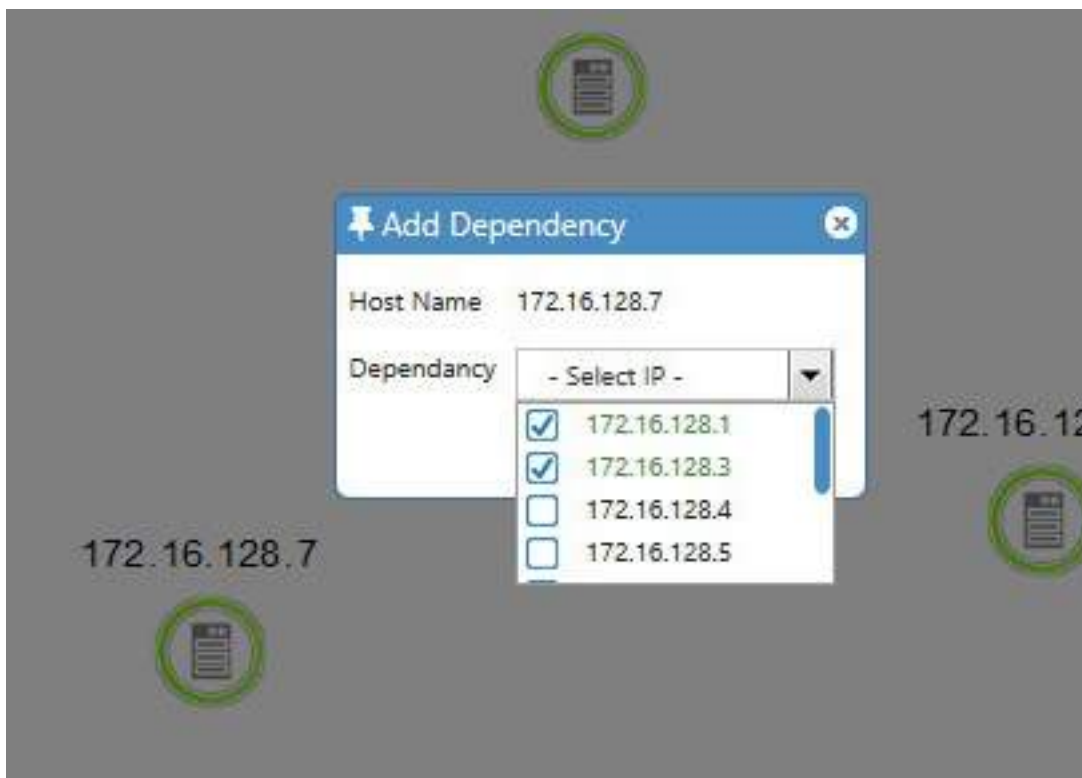


Figure F

## Perpetuuti DDE enables your organization to:

- ↳ Effectively discover critical resources by performing agentless discovery and storing information on applications and their dependencies
- ↳ Get a clear view of interdependencies between servers, applications, network devices, software, configuration files, operating systems and other IT infrastructure components
- ↳ Enhance management of physical, virtual and cloud environments
- ↳ Work seamlessly with business operations' tools by rapidly isolating configuration-related application problems and accelerating troubleshooting
- ↳ Use a simplified, flexible data model that easily extends discovery of new and updated IT resources
- ↳ Real-time view of any disruption and its cascading effect on Business Services
- ↳ Creating or Integrating with existing CMDB
- ↳ Real-time monitoring and updating of CMDB
- ↳ Auto-Discovery of IT Assets in Real-Time
- ↳ Pictorial representation of 'What to Migrate' from the standpoint of business services
- ↳ Optimize/Align data center costs with business priorities
- ↳ Bridge the Business and IT gap
- ↳ Reduce risk of failed changes
- ↳ Increase IT agility and business alignment
- ↳ Prevent outages when moving data center assets

**TO REQUEST A LIVE DEMO OR FOR ADDITIONAL INFORMATION ON PERPETUUITI DDE, PLEASE GET IN TOUCH WITH OUR AUTOMATION EXPERTS:**

✉ [mktg@ptechnosoft.com](mailto:mktg@ptechnosoft.com)

☎ +91 20 6687 8300

🌐 [www.ptechnosoft.com](http://www.ptechnosoft.com)

### About Perpetuuti

Perpetuuti empowers people and businesses alike. We deliver the world's most-comprehensive and urbane automation platforms making work more human. Our platforms deliver leading-edge automation solutions for modernizing resiliency management, and turbocharging the performance of your applications, IT and business operations at speed and scale to drive exponential efficiencies.

For more information, visit [www.ptechnosoft.com](http://www.ptechnosoft.com)