

Crosscode Panoptics

Cloud Migration

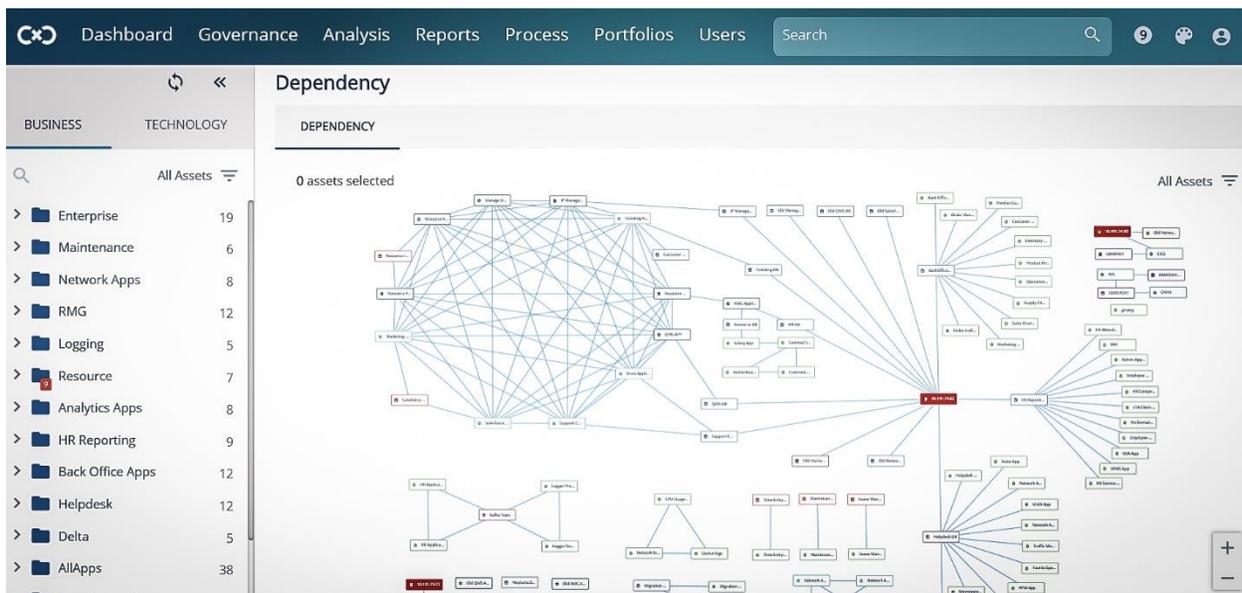
If you are considering migrating your enterprise applications to the Cloud, Crosscode Panoptics is a unique, proven technology that shows you the fastest and least disruptive path.

Panoptics enables rapid rationalization and migration of enterprise legacy applications at less than 20% of the typical cost. With Panoptics you can achieve all the benefits of the Cloud:

- Modernizing and rationalizing applications - Lift & Shift, Re-platforming; Refactoring; Retiring
- Reduce IT and maintenance costs by 40-50%, freeing up budget for innovation
- Financially attractive cost structure - OpEx vs. CapEx
- Faster innovation to keep up with rapid changes in the business environment

Crosscode Panoptics introduces a compelling solution to enable rapid application rationalization and modernization to quickly and accurately move the enterprise environment to your preferred Cloud Platform (AWS, Azure).

Panoptics discovers your enterprise application environment and maps the dependencies between your application and database assets, at every level of detail down to method and column.



Cloud migration requires a Solution Architect or subject matter expert to decide the appropriate migration approach for each application, whether Lift & Shift, re-platforming or refactoring, and to group the assets for migration. Panoptics lets you create folders and drag and drop the application and database assets to relevant migration-treatment folders.



At this point, with a touch of a button, Panoptics can export to a CSV file the prioritized list of the application assets that includes Migration order, Rationale for Recommendation and Priority, Asset Name, Technology, Operating System, # of Machines, Security Vulnerability status, Dependencies, Estimated Effort hours, and recommended Cloud Platform (AWS, Azure).

The migration order is determined by the relative complexity of moving each asset, as expressed by the number and type of dependencies it has on other assets. Panoptics also indicates how many security vulnerabilities can be eliminated, and how many servers can be decommissioned, during the migration of each asset. The report explains the Rationale behind the order of migration, recommends an appropriate cloud-based platform for each asset, and indicates how much time and effort are required to migrate each application and database.

Migration Order	Rationale for Recommendations & Priority	Asset	Technology	Operating System	# of Machines	Security Vulnerabilities	Dependencies	Estimated Effort (hours)	Recommended Cloud
1	1. No database dependencies.	Common Microservice	Java 7.0	Windows Server 2008	2	None	None	12	AWS-Lambda
2	1. No application dependencies.	Authentication Service	Python	Centos	2	None	Common Microservice	77	AWS-Lambda
3	2. One application dependency has been migrated.	Gateway Service	Tomcat - Java 8.0	Redhat Linux	1	2	Authentication Service Common Service	15	AWS-APIGateway
4	1. Cannot move other applications until this application is moved.	Resource DB	MySQL 5.6	Redhat Linux	2	120	Salary App RMG Application	24	AWS-RDS-MySQL
5	2. Two application dependencies have been migrated.	Salary App	Tomcat - Java 8.0	Redhat Linux	10	2	Resource DB Authentication Service Common Service	77	AWS-ElasticBeanstalk
6	1. Cannot move other applications until this database is moved.	HR DB	MSSQL 2016	Windows Server 2016	1	1	None	36	AWS-RDS-MySQL
7	2. This application is a single Point of Failure (which will be mitigated when using AWS-API Gateway).	RMG Application	IIS.NET C#	Windows Server 2012	2	None	Resource DB Authentication Service Common Service	77	AWS-EC2
8	1. The database and application dependencies required for this migration have been migrated.	Resource Attendance App	C#	Windows Server 2012	2	None	RMG Application	12	AWS-ElasticBeanstalk
9	2. No critical security vulnerabilities.	Unknown@10.191.74.62	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
10	3. Potential to decommission 2 machines.						Total effort (hours)	330	

Panoptics makes it easy for enterprises and the professional services organizations that are involved in cloud modernization to accurately estimate efforts and risk management in such a major undertaking. Use of Panoptics Cloud migration features results in better planning, budgeting, risk mitigation, and project approvals with a high degree of customer success while saving 60-80% of costs.