

# IBM Cloud Resiliency Application & IT Discovery

*Enable an automated analytical approach to IT and application discovery to help identify server and business application dependencies*



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## Business benefits

- Plans and migrates applications, data, and equipment within data centers or between data centers
  - Helps meet application availability requirements and avoids unplanned outages during relocations
  - Uses IBM's expertise with complex IT environments to help improve the success of complicated migrations
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## What is IBM Cloud Resiliency Application & IT Discovery?

Enterprises are under increasing pressure to automate the data center, cut costs, and improve resiliency to ensure continuous availability. But without a repeatable and reliable method to identify the elements and interdependencies of the enterprise IT infrastructure, it is impossible to capture an accurate and up-to-date map of infrastructure relationships. IBM Cloud Resiliency Application & IT Discovery is an industry unique analytic solution that uses patented learning algorithms to quickly and unobtrusively discover the IT environment and client business applications, understand interdependencies, and produce the data and analysis required for IT project planning and data center migration. This includes cloud migration enablement builds, a knowledge base for business applications which includes the fields: name, vendor, purpose, category and criticality, and dependencies.

## Why choose IBM Cloud Resiliency Application & IT Discovery?

Avoiding unplanned outages during migration is one of the most important ways to help contain costs and maintain schedules. IBM Resiliency Services has successfully migrated over 40,000 servers in the past three years alone, and completed thousands of data center migrations and relocations over the past 20 years.

We also have close relationships with numerous data center infrastructure equipment providers, including Anixter, APC/Schneider, Eaton, Emerson/Liebert and Rittal. The tools and expertise provided through these relationships bolster our ability to successfully move and optimize your data center equipment. And with a global resiliency infrastructure, we can support your needs across practically any location.



Supported operating systems	Supported middleware*																																																															
<p><b>Microsoft Windows</b></p> <ul style="list-style-type: none"> <li>• 2000</li> <li>• 2003</li> <li>• 2008</li> <li>• 2012*</li> <li>• Windows 7</li> </ul> <p><b>Linux</b></p> <ul style="list-style-type: none"> <li>• Many, see list</li> </ul> <p><b>VM Kernel</b></p> <ul style="list-style-type: none"> <li>• 3.5 and 4.0</li> </ul> <p><b>IBM® AIX®</b></p> <ul style="list-style-type: none"> <li>• All</li> </ul> <p><b>HPUX</b></p> <ul style="list-style-type: none"> <li>• *</li> </ul> <p><b>Solaris</b></p> <ul style="list-style-type: none"> <li>• 8, 9, 10</li> </ul> <p><b>IBM Z/OS®</b></p> <ul style="list-style-type: none"> <li>• Not supported</li> </ul>	<p><b>Database</b></p> <table border="0"> <thead> <tr> <th></th> <th style="text-align: left;">Version</th> </tr> </thead> <tbody> <tr> <td>• IBM DB2®</td> <td>6, 7, 8, 9</td> </tr> <tr> <td>• SQL server</td> <td>00, 05, 08</td> </tr> <tr> <td>• Oracle DB</td> <td>8, 9, 10, 11</td> </tr> <tr> <td>• Sybase</td> <td>15</td> </tr> <tr> <td>• Teradata</td> <td>*</td> </tr> <tr> <td>• Derby/Cloudscape</td> <td>*</td> </tr> <tr> <td>• Point base</td> <td>4, 5</td> </tr> <tr> <td>• PostgreSQL</td> <td>All</td> </tr> <tr> <td>• MySQL</td> <td>All</td> </tr> </tbody> </table> <p><b>HTTP servers</b></p> <table border="0"> <tbody> <tr> <td>• IBM HTTP Server</td> <td>All</td> </tr> <tr> <td>• IBM Proxy Server</td> <td>All</td> </tr> <tr> <td>• MS Internet Information Services</td> <td>5, 6, 7</td> </tr> <tr> <td>• Apache HTTP Server</td> <td>All</td> </tr> </tbody> </table> <p><b>Application servers</b></p> <table border="0"> <tbody> <tr> <td>• IBM WAS®</td> <td>3, 4, 5, 6, 7</td> </tr> <tr> <td>• Tomcat</td> <td>*</td> </tr> <tr> <td>• WebLogic</td> <td>8, 9, 10</td> </tr> </tbody> </table>		Version	• IBM DB2®	6, 7, 8, 9	• SQL server	00, 05, 08	• Oracle DB	8, 9, 10, 11	• Sybase	15	• Teradata	*	• Derby/Cloudscape	*	• Point base	4, 5	• PostgreSQL	All	• MySQL	All	• IBM HTTP Server	All	• IBM Proxy Server	All	• MS Internet Information Services	5, 6, 7	• Apache HTTP Server	All	• IBM WAS®	3, 4, 5, 6, 7	• Tomcat	*	• WebLogic	8, 9, 10	<p><b>Messaging</b></p> <table border="0"> <thead> <tr> <th></th> <th style="text-align: left;">Version</th> </tr> </thead> <tbody> <tr> <td>• WebSphere® MQ Series</td> <td>*</td> </tr> <tr> <td>• WebSphere Message</td> <td>All</td> </tr> <tr> <td>• Microsoft Message Q</td> <td>*</td> </tr> </tbody> </table> <p><b>Infrastructure</b></p> <table border="0"> <tbody> <tr> <td>• MS Window Notification Service Server</td> <td>*</td> </tr> <tr> <td>• MS Domain Name System Server</td> <td>*</td> </tr> <tr> <td>• MS Active Directory</td> <td>*</td> </tr> <tr> <td>• Alt-N MDAemon</td> <td>*</td> </tr> <tr> <td>• Alt-N RelayFax</td> <td>*</td> </tr> <tr> <td>• Symantec AntiVirus</td> <td>*</td> </tr> </tbody> </table> <p><b>Other</b></p> <table border="0"> <tbody> <tr> <td>• AIX Logical Volume Manager (LVM)</td> <td>*</td> </tr> <tr> <td>• Linux LVM</td> <td>*</td> </tr> <tr> <td>• HP-UX LVM</td> <td>*</td> </tr> <tr> <td>• Solaris LVM</td> <td>*</td> </tr> </tbody> </table>		Version	• WebSphere® MQ Series	*	• WebSphere Message	All	• Microsoft Message Q	*	• MS Window Notification Service Server	*	• MS Domain Name System Server	*	• MS Active Directory	*	• Alt-N MDAemon	*	• Alt-N RelayFax	*	• Symantec AntiVirus	*	• AIX Logical Volume Manager (LVM)	*	• Linux LVM	*	• HP-UX LVM	*	• Solaris LVM	*
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\* See your IBM rep for a complete list

\*\* Client-developed applications are not discovered

## Service highlights

**IBM Cloud Resiliency Application & IT Discovery** uses our patented tool, IBM Analytics for Logical Dependency Mapping, to help identify IT asset components and dependencies, including operating systems and packaged middleware applications.

**IBM Cloud Resiliency Application & IT Discovery** also supports multiple analytic engines to transform large volumes of complex data into meaningful insights. Our practically infinitely scalable cloud computing platform makes advanced analytics possible.

## Key questions to consider

- Are you planning a data center migration or consolidation?
- Do you have the right skills and experience on your team?
- Are you facing significant risks in identifying legacy systems and critical applications within your data center that are dependent on other applications or resources?
- Do you have a discovery tool to enable a more complete and accurate understanding of your IT infrastructure applications, systems configurations and dependencies?

### Solution benefits

#### Deliver virtually seamless transition to end users

- Identify up to 100 percent of the assets for the data center move
- Help ensure dependent applications and equipment migrate and get back online in unison
- Migrate data online almost instantaneously to meet application availability requirements

#### Help reduces risk

- Rehearse move and fall back plans to identify and solve potential issues and remediate unsupported environments
- Implement a move day command center to address unforeseen issues
- Use experienced relocation project managers to help reduce project uncertainties
- Help ensure continuous operations and availability during your move to reduce the impact to the business
- Help ensure application compatibility and supportability (N-1)

#### Use the relocation to help reduce infrastructure costs

- Standardize the IT environment before the move
- Replace end-of-life assets and help optimize environment
- Reduce storage management costs by up to 10-to-25 percent<sup>1</sup>
- Avoid costly downtime of application version compatibilities

### About IBM Resiliency Services

IBM can offer 30 years of global experience and 300-plus data centers around the world to help clients globally design, build and run their IT environments and improve their business resilience. IBM's expertise in technological innovation, best practices methodology, highly skilled data center specialists and hands-on experience help you make the optimal investments that can deliver availability, scalability, recoverability and agility throughout your transition. Our approach helps you reduce the inherent risks and complexity associated with migrations of your data center environment while planning for your future.

### Take the next step

To learn more about IBM Resiliency Services, please contact your IBM sales representative or visit the following links on website:

[IBM Resiliency Services](#)

[IBM Site, Facilities and Data Center Services](#)

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<sup>1</sup> Based on IBM’s analysis of previous client engagements. Individual results will vary.



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