

CONFIGURATION MANAGEMENT

Maintain visibility and control over the actual granular configuration of IT systems.

Collecting and analyzing granular configuration across the end-to-end hybrid cloud in near real-time, Evolgen helps enterprise organizations to close the loop of the Configuration Management processes. First of all, Evolgen provides a single view into the entire configuration of the enterprise cloud, driving unprecedented visibility essential for effective operations of IT environments. Evolgen continuously monitors the granular end-to-end configuration ensuring its consistency within and across environments and alignment with the approved baselines. Evolgen validates that deployments accurately promote approved changes, ensuring that no undesired drift occurs. Evolgen's Automated Configuration Control and Analytics help IT Operations, DevOps, and CloudOps teams to keep their environments stable and compliant to their configuration standards and best practices.

USE CASE	DESCRIPTION	EXAMPLE
Environment Consistency Analysis	Evolgen automatically compares inventory, configuration, and content within and across IT environments, highlighting risky inconsistencies. Evolgen's Consistency Analysis helps to avoid stability, security, and compliance issues while reducing operational costs.	An application team continuously chased an intermittent issue of a sluggish UI periodically reported by the users. Applying Evolgen Consistency Analysis, the team has identified numerous configuration discrepancies between application servers. The team fixed the inconsistencies and began to run Consistency Analysis daily. Users did not report any new cases of UI slowdown.
Configuration Assurance against "Golden Baseline"	Evolgen compares environment or host configuration with automatically captured approved baseline, reporting drift to ensure configuration compliance, better stability, and lower operational costs.	The server team builds standard Windows servers and transfers them to the application team. The application team customizes the servers to fit their needs. In case of stability issues, the application team consistently directs questions to the server team. The server team used Evolgen to detect and share differences in server configuration against the "golden baseline" automatically captured for an approved standard server build. The common view of differences eliminated "finger-pointing" and accelerated issue resolution.
Drift Detection	Evolgen detects and reports actual granular changes in configuration, application files, database schemas, master data, etc. Evolgen increases operations efficiency providing complete visibility into actual changes (planned and unplanned).	An operation team spent a significant part of their mornings dealing with issues introduced throughout overnight maintenance. The team manager set up Evolgen to distribute automated daily reports listing actual changes executed during maintenance. The team reviewed the information in the daily stand-up meetings, clarified detected changes, and addressed related risks.

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<p>Comparison of Production and DR</p>	<p>Evolgen helps to ensure the business continuity of an IT environment by comparing the end-to-end granular configuration of production and DR environments. Evolgen applies AI-based analytics to highlight the risky differences.</p>	<p>An organization frequently failed DR tests because of misconfiguration of the DR environment. They implemented Evolgen to compare application and infrastructure configuration between the production and DR environments weekly. All the key differences that Evolgen detected were remediated, and as soon as the practice was implemented, the next DR test passed successfully from the first try.</p>
<p>Deployment Validation</p>	<p>Evolgen compares the target deployment environment with the lower one and analyzes the consistency of the target environment post-deployment., ensuring the successful outcome of manual and automated deployments. It validates that all the deployed changes are promoted accurately and consistently as they were tested.</p>	<p>Releases of a critical business system were complex, touching application, application data, and infrastructure, combining automated and manual activities. Every release took 50%-100% more time due to deployment and post-deployment issues (misconfigured infrastructure, corrupted application data, missed application files, test environment issues, etc.) The application team integrated Evolgen into the release process to align production and pre-production environments, validate infra readiness, and confirm the system's consistency after deployment. The release conducted with Evolgen was the first one completed before the target date.</p>
<p>Inventory Analytics</p>	<p>Evolgen collects detailed configuration information and provides a powerful search allowing users to find answers to any inventory and configuration-related operations, capacity, asset management, and security management question. Evolgen maximizes Operations and SecOps efficiency providing easy access to the complete, up-to-date configuration.</p>	<ul style="list-style-type: none"> • An application team needed to know if they already have Oracle servers with shared memory sufficient for their application. Asking DBAs, they did not get an immediate answer, which they needed to plan release. Using Evolgen, they immediately identified required servers and confirmed with the DBAs their availability. • SecOps was notified about a severe vulnerability in a specific Java update. They tried to contact the CMDB admin to find this information, but the admin was not available. A SecOps engineer logged into Evolgen and defined the query in UI, immediately getting an up-to-date list of "outdated" servers.
<p>CMDB Enrichment</p>	<p>Evolgen helps keep CMDB up-to-date and accurate, frequently collecting configuration of end-to-end IT environments with minimum overhead. It collects the most granular configurations for each item (thousands of parameters for each CI), federating it with CMDB and extending the depth of CMDB information.</p>	<p>An organization ran CMDB daily (overnight) to minimize discovery impact. However, the infrastructure team executed changes during the day in response to urgent issues or requests. This information was missing in CMDB until the following scan. As a result, the production support team was unaware of the latest configuration when investigating issues occurring the same day. The organization integrated Evolgen running scans every 15 minutes with CMDB to provide all the stakeholders with an up-to-date configuration view.</p>