Real Time Asset Intelligence: Must Have For Modern IT Planning & Operations

Dynamic world - Needle in the haystack

As IT organizations adopt dynamic, consumption-based models with cloud, IoT, edge and data center assets, enterprise are facing challenges to gain deep insights of critical IT assets:

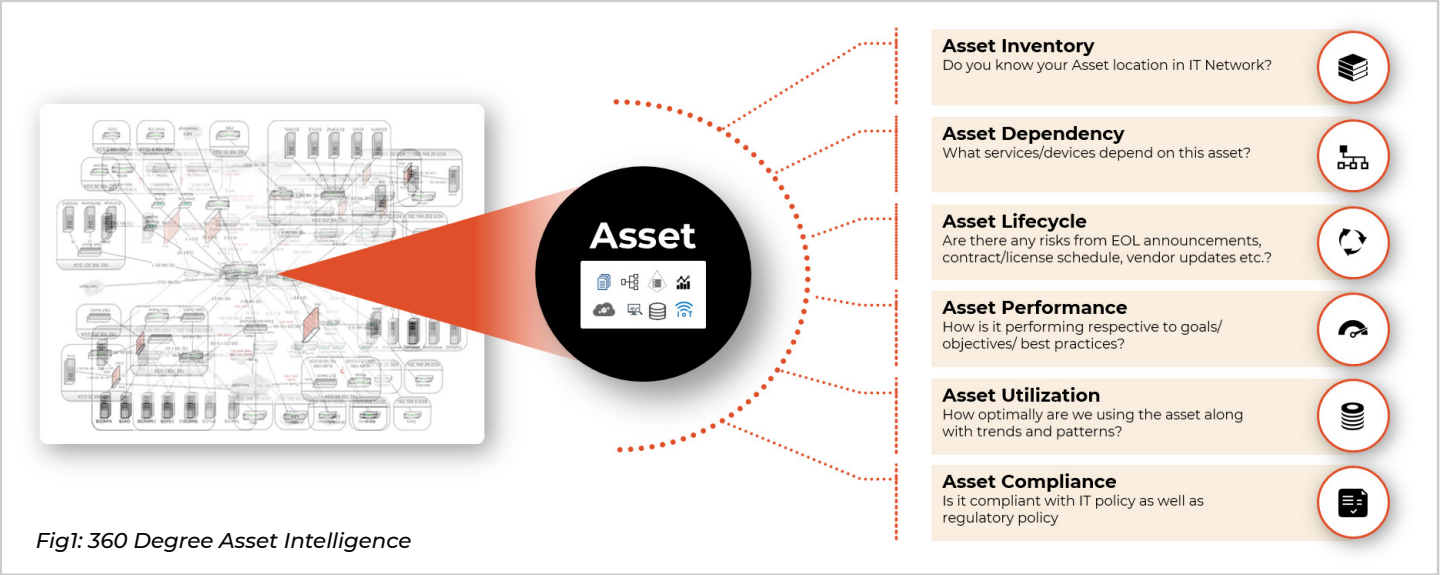


Fig1: 360 Degree Asset Intelligence

New capabilities are becoming essential

IT asset intelligence is the critical contextual knowledge that enterprises need to reduce, minimize and optimize asset costs, risks and performance across all phases, from investment planning, implementing the plan, monitoring of the assets and finally decommissioning them.

As accurate asset intelligence is becoming foundational capability to serve business, IT planning and operation functions effectively, one need to adopt an automated solution that should support the following:

- **Robotic Data Automation (RDA):** Software bots to automate repetitive data operations and pattern recognition
- **AI based discovery:** To support dynamic changes of enterprise IT
- **Application dependency mapping:** Detailed upstream, downstream dependencies
- **Multi-Dimensional asset analysis:** Inventory, usage, operational, security, compliance, business needs
- **High throughput/scale data processing engine:** For collecting and processing data at scale
- **AI/ML based analytics:** To boost efficiency and quickly detect risks and opportunities
- **Multi-source data ingestion:** To collect data from multiple sources
- **Enterprise grade integration:** To seamlessly integrate with existing enterprise systems (CMDB, ITSM etc.)

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CloudFabrix Solution

CloudFabrix Digital Intelligence AIOps Platform, cfxDimensions combine powerful discovery and dependency mapping, hardware and software asset inventory, lifecycle analytics and machine learning, to help enterprises and managed service providers (MSPs) optimize their application infrastructures both dynamically and cost effectively. It delivers these capabilities as turnkey solutions in the form of consumable apps such as Asset Intelligence Advisor, Dependency Mapping App etc,. Additionally, customers can develop new apps using the SDK that comes with the platform.

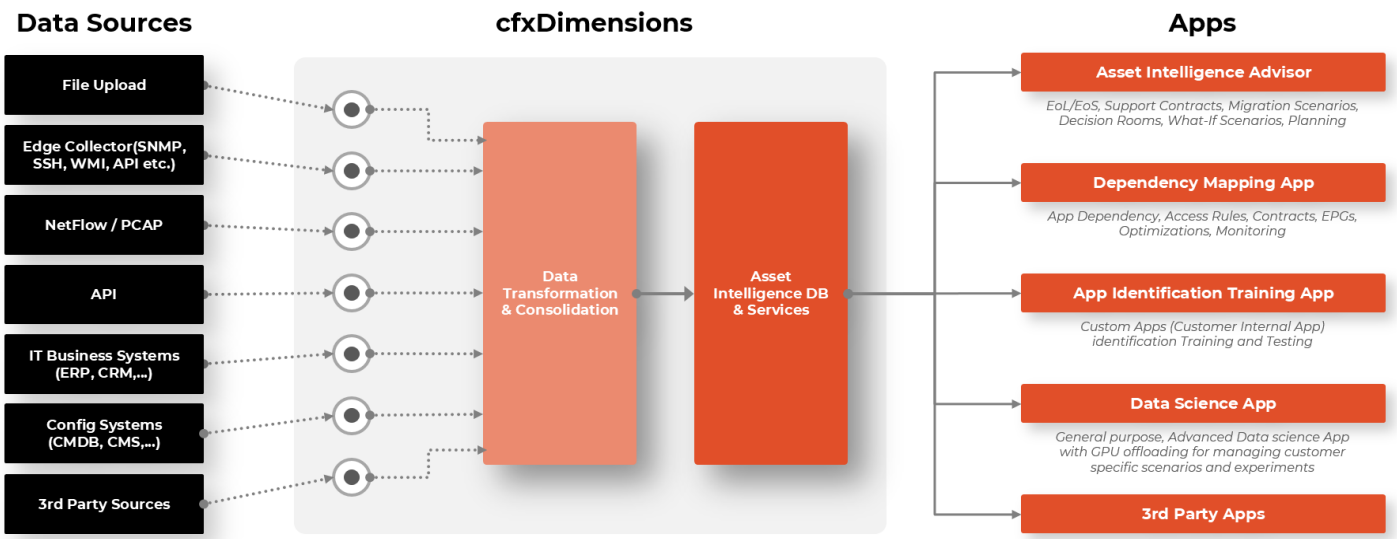


Fig2: Asset Intelligence Architecture

Key Capabilities

Asset dependencies and contextual insights

- Programmatic way of discovering multi-cloud environments
- Can work for both agent and agent-less setups
- Enriched and contextual asset details
- Establishment of hierarchies and grouping
- Learn all dependencies
- Multi-source data ingestion and analysis



Lifecycle Insights

- Automatic collection of lifecycle data (ERP, SNTC etc.)
- Proactive management of EOL/EOS and compliance risks
- Manage security/vulnerability risks (vendo /3rd party bulletins)
- Support for multi-vendor HW, SW and subscriptions
- Track and report on contract/ license health and risks



Asset utilization insights

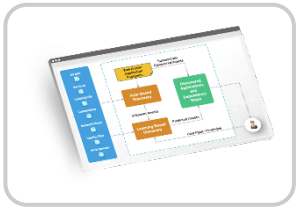
- Track and report usage of assets with detailed metrics
- Insights to help adopt pay-as-you-grow model vs. capital expenditure
- Support for multi-vendor HW, SW and subscription services
- Actionable insights for cost optimization – unused, underutilized etc.
- Manage risks from capacity and compliance issues
- 3rd party tool integration support for data collection



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Advanced AI/Ml & Analytics Based Insights

- Accurate forecasting of usage and capacity needs
- Ability for customers to build their own forecasting models
- Heuristics based applications mapping and asset grouping
- User selectable features for pattern matching
- What-if scenario analysis for better decision making



Robotic Data Automation

- Low-Code Data Pipelines
- Built-in AI/ML Bots
- Uniform Query Language
- Inline Data Mapping
- Data Integrity Checks
- Data Extraction/Metrics



Use Case Examples

Executive/Governance	IT Planning	IT Operations
Regulatory & IT Policy Compliance - Continuous assessment. - Audit and compliance reports	**Budget Planning & Estimates** - BOM and budget generation - Scenario based analysis - Depreciation calculation	**Boost operational efficiency with alert noise reduction and faster response** - Clustering of alerts using dependency data - Pin point the root cause device and prioritize
Digital decision rooms - Data driven decision making - Support for what-if analysis - Integrated project tracking	**Discover, analyze and track IT refresh/migration opportunities** - Discover assets that need to be replaced - Generate recommendations plan withmilestones - Insights based on multiple data points	**Reduce Security Risks and Vulnerabilities** - Data ingestions form partner, vendor & 3rd party services - Provide recommendations on security patches for OS, SW stacks etc.
Enable Consumption Based IT Models - Usage insights based recommendations - Predict usage and costs	**Discover Contract Renewal and Consolidation Opportunities** - Automate contract data ingestion for analysis - Uncover cost saving opportunities and risks	**CMDB sync to deliver single source of truth** - Continuous update to enterprise CMDB. - Assess changes against compliance needs

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