

Storyboards

Craft an Outcome Based Story
using your IT Operations Tools & Data



E-Book

2025

Storyboards: a cutting-edge approach to creating context-rich, outcome-focused narratives with your data, is ready to embark on its disruptive journey in the field of AIOps. Pioneered by Fabrix.ai, this innovative approach transforms data visualizations into dynamic, impactful, and spellbinding stories. By seamlessly connecting IT Operations data to business outcomes, it enables actionable insights that drive meaningful results.

You might probably be thinking, “Hey, is it similar to dashboards or something novel? Have dashboards become obsolete?”. Hold your horses while I work through all your questions.

Are dashboards obsolete?

Although widely used, dashboards come with their share of drawbacks

- ▶ They are often limited by widgets like bar graphs, pie charts, etc., which are organized in rigid layouts and lack any flexibility or customization.
- ▶ Oftentimes, they depict insights from one or two domains siloed from the rest of the system, which fail to appreciate the complexity of IT infrastructure and how interconnected modern IT systems are, where even minor disruptions can cascade into major issues.
- ▶ Dashboards often struggle to deliver context-rich visualizations that connect IT data to business KPIs and outcomes



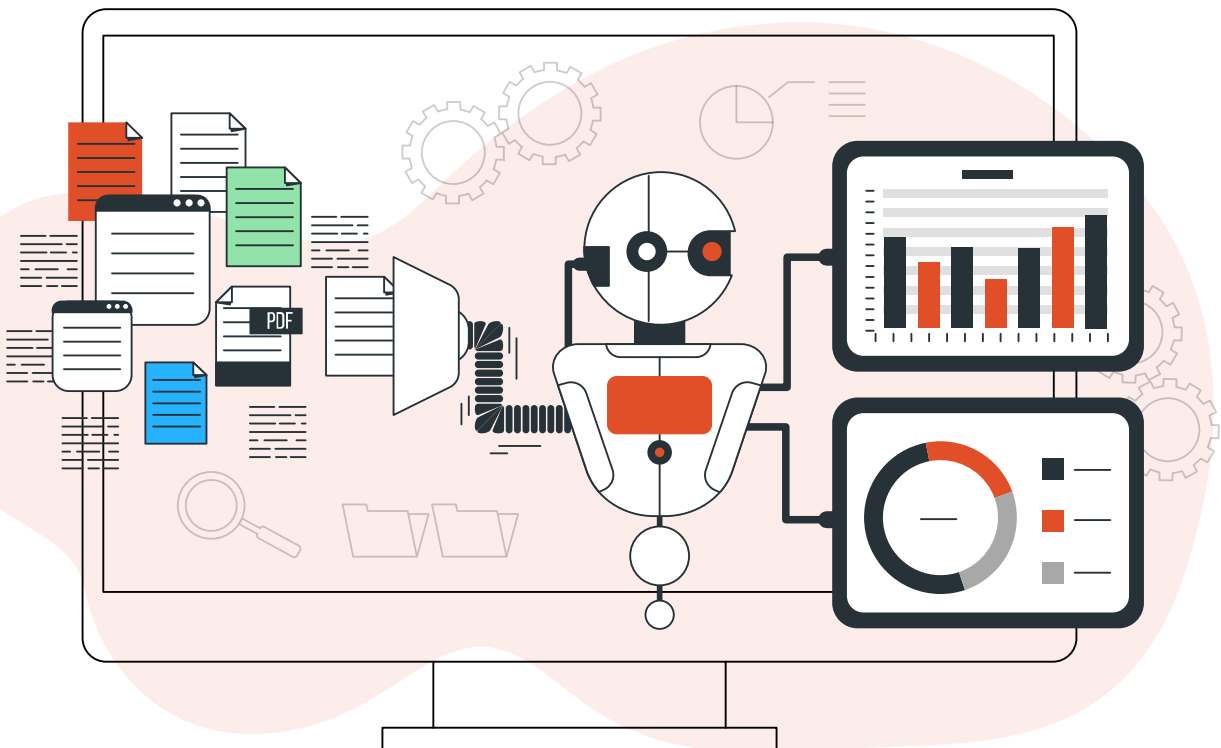
In summary, they haven't completely fulfilled the long-standing dream of AIOps - outcome-driven, holistic observability. Therefore, it's time to rethink data visualization, stepping beyond the limitations of traditional dashboards. The good news is, with the arrival of Storyboards, you don't have to look far beyond

Storyboards

The era of rigid, grid-based dashboards with minimal customization is behind us. Storyboards break beyond these limitations by providing a free-form canvas for organizing and customizing widgets. These widgets can represent data from diverse sources and domains, offering a unified view in a single pane of glass. This enables you to craft a more comprehensive narrative about your IT operations and their impact on business outcomes

Let's explore some of the key features of Storyboard

1. First, you start with an empty, customizable canvas, allowing you to arrange widgets in a free-form layout—breaking free from the rigid grids of traditional dashboards.
2. On this canvas, you can empower your visualizations with both native and custom widgets that can be easily curated with the help of HTML or Jinja2 templates.
3. Storyboards also offer the ability to add “attachments” such as images and gifs, increasing the visual appeal of the stories you weave.
4. The customizable canvas allows for diverse design elements, including background colors, gradients, icons, text formatting, and color coding.
5. “Actions” also help you seamlessly connect multiple storyboards, enhancing interactivity.
6. The “Focus Area” tool lets you zoom into a specific section of the Storyboard, improving clarity and engagement



The Data Fabric Storyboard

The image below depicts the Fabric Storyboard, a unified view of Fabrix.ai's data orchestration platform, Robotic Data Automation Fabric (RDAF).

This grand perspective provides insights across the full-stack topology, starting from data integrations - both inbound and outbound—on the extreme left. As you sift through the “Data” section, you encounter insights from the RDAF platform's data processing and analytics core, which includes elements such as data pipelines, bots, workers, and Kafka.

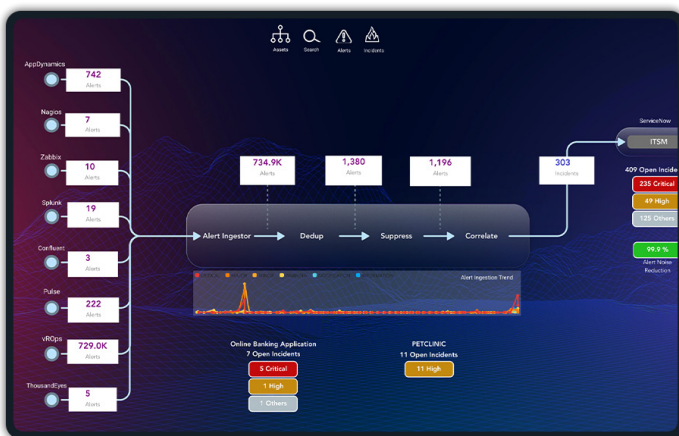
The following section showcases the persistence layer and its associated high-level information, leading into the **Intelligence vertical**. This captures essential statistics about alerts and incidents. Gradually, details like data transfer to Slack and ServiceNow, chat sessions, and conversations become focused, offering a natural progression from infrastructure-level insights to an IT operations-oriented summary. But it doesn't stop there.

The Storyboard culminates with business-level insights such as total users, successful logins, and more - painting a complete picture from an infrastructure-level summary to business insights. This provides enhanced context via a macro perspective.

For those who need to dive deeper, you're just a click away from exploring other Storyboards in the Visibility section - such as Asset Intelligence or FSO & AIOPS Storyboards - to gain an in-depth understanding of the system.



The Full Stack Observability & AIOPS Storyboard



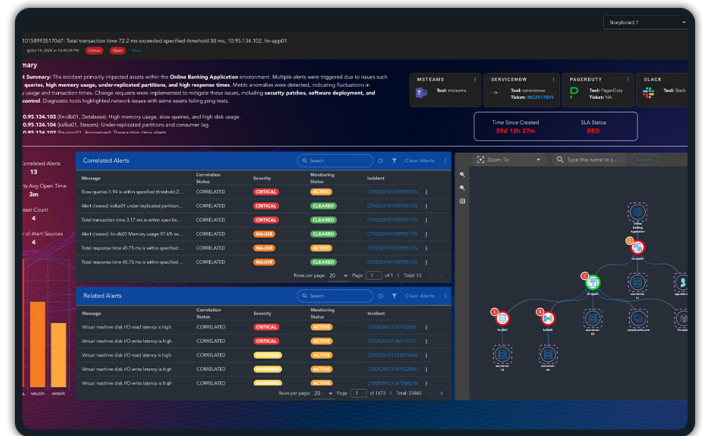
A typical AIOPS workflow involves ingesting metrics, logs, and traces from various monitoring tools, continuously analyzing data, and generating alerts when deviations from expected system behaviors occur. These massive numbers of alerts are often noisy and require deduplication, correlation, or dismissal to focus on actionable incidents. Proactively resolving these incidents is essential and will improve our business's key performance indicators (KPIs).

When you examine the Storyboard, you see an infrastructure summary at one end of the spectrum, followed by various monitoring tools ingesting different metrics. RDAF, a robust data orchestration platform, analyzes and filters alerts to create

meaningful incidents. Its impact is evident, reducing a whopping 734K alerts to about 303 incidents—a remarkable **99.9%** alert noise reduction. For users who want more granularity, Storyboards allow you to drill down into details specific to applications or infrastructure. You can inspect metrics like system health or individual alerts on demand.

Incident Insights Storyboard

Much like a compelling story centered around a chain of interconnected events, Storyboards reveal not only what happened but also how and why. They allow users to explore deeper layers, unwrapping the mysteries behind primary insights—akin to uncovering a protagonist's backstory in a well-told tale. This approach naturally aligns with the human tendency to seek context and causality, making Storyboards engaging and effective.



DevOps Lifecycle



Code, Build, Deploy. The mantra of a DevOps lifecycle is vividly captured by this Storyboard. It highlights how the codebase, retrieved from Bitbucket, is processed by the popular build tool Jenkins to create deployable images across different environments such as staging or

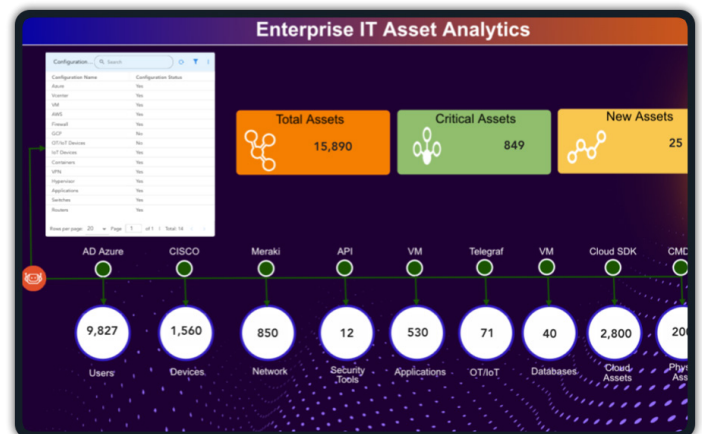
production. In the event of a failed build, the DevOps team is promptly notified via Slack or email. Additionally, the Storyboard presents essential statistics on test coverage and build executions.

You can access the embedded Storyboard, which details individual build runs executed by Jenkins, further showcasing the versatility and customizability of Storyboards.

IT Asset Analytics

Add to it a **network topology** view, and you end up witnessing the interconnectedness of a complex infrastructure - a synchronized system working cohesively to empower your business.

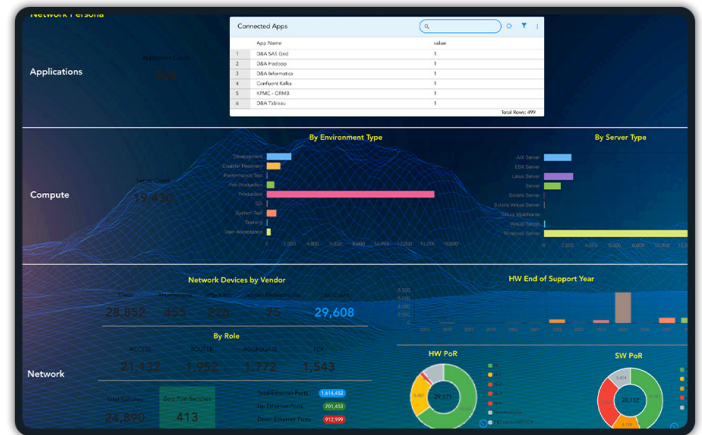
The illustration also features charts for *End of Support (EOS)* and *Plan of Record (POR)* for software and hardware assets. These visualizations enable close monitoring of asset versions, helping you proactively upgrade and ensure compliance with industry standards.



The Asset Intelligence Storyboard

Managing large-scale applications deployed in complex infrastructure can be inherently challenging. The difficulties multiply as new components are integrated or when existing components become deprecated, necessitating continuous monitoring of assets—hardware or software—for their status, version, and compliance.

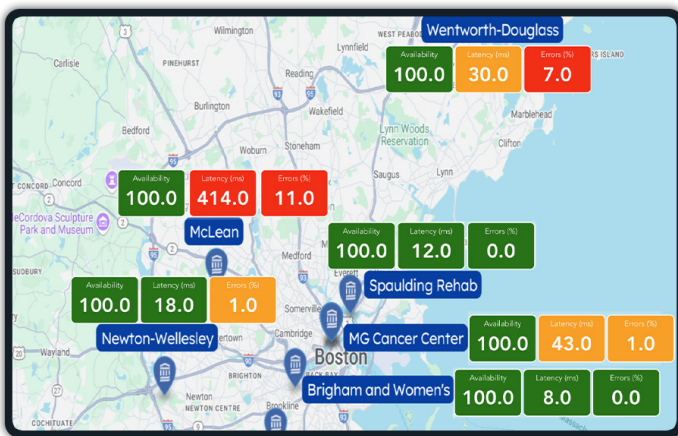
Now, imagine having end-to-end visibility of your full-stack topology, showcasing all assets and their corresponding statuses. A tool with such capabilities ensures that your IT infrastructure functions at its peak, keeping all the assets compliant and upgraded, guaranteeing operational efficiency.



The Asset Intelligence Storyboard delivers precisely that. It provides a full-stack topology overview of applications, compute and network, and their corresponding high-level summaries.

For instance, the **“Applications”** section shows the total application count and the individual applications that power your business, followed by the **“Compute”** section, which shows the servers hosting those applications. The third section, **“Network,”** shows low-level information related to networking devices like routers, switches, access points, and so on grouped by vendors, reflecting diversity and granularity.

Healthcare Managed Service Provider - Network Operations Control



Traditionally, KPIs from multi-region deployments are visualized through dashboards using native charts, which often lack intuitive clarity. Storyboards overcome these limitations, allowing you to **configure multi-region KPIs with a real map as the backdrop**, offering a sharper and more insightful perspective.

The image illustrates managed services for a healthcare organization based in Boston, showcasing their campus facilities and hospitals spread across various regions. The storyboard presents key KPIs, such as availability and network errors, seamlessly embedded within the map. This approach exemplifies intuitive data representation and provides unparalleled customization.

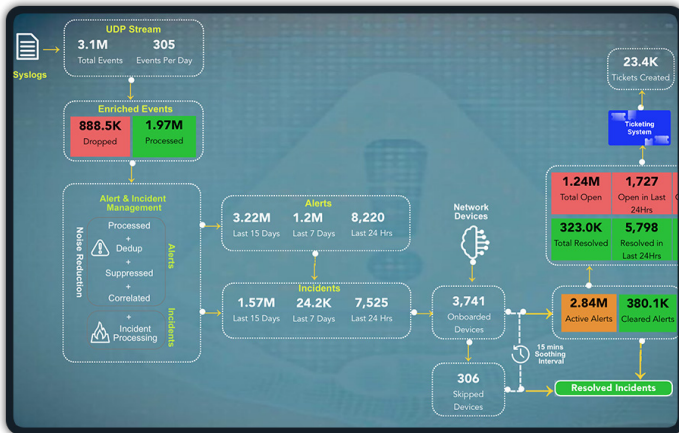
Alerts to Incidents Impact Analysis

This Storyboard is another instance of an **alert processing use case**, where a humongous volume of alerts are ingested, deduplicated, suppressed as well as correlated to create meaningful incidents. It also demonstrates how *different types of alerts are categorized and handled* providing visibility into key areas in the system and their corresponding alert severities.

The incident report, where individual incidents are stacked up one over the other in a tabular form, is complemented by the **Topology of the selected incident** Storyboard, helping you navigate towards the root cause more effectively with the help of the network topology associated with the selected incident.



Network Observability



This is an example of a Network Observability Storyboard, where **syslog events are ingested, enriched, processed, and correlated**, ultimately leading to the creation of incidents. It also captures colossal sums such as the total number of alerts, active and resolved incidents, etc. alongside a summary of devices onboard, indicating how the state and health of network topology has a causal relationship with alerts and incidents.

The story of syslog events to incident resolution is beautifully captured by this Storyboard by employing fully customized widgets and flow diagrams, making this narrative extremely engaging and insightful.

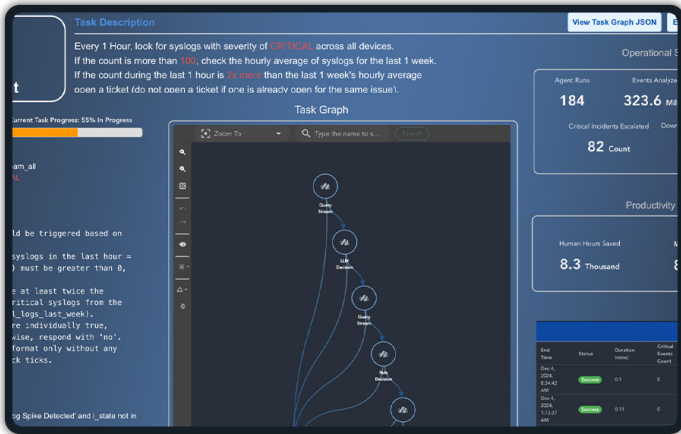
Observability

Data visualization with Storyboards culminates with this monumental visualization - *Observability summary of a premier Healthcare organization's IT infrastructure* expertly showcasing key metrics with fully customized visualization ranging from native reports to tailored widgets.

The Storyboard ingeniously weaves together data from various segments like operational summary with fine-grained info like alerts, memory usage, cpu usage as well as Campus Analytics, bolstered by RTO Insights, statistics about Wired and Wireless Networks, etc. The collective representation provides a visually captivating and compelling observability story.



Agentic AI - Event Agent



Fabrix.ai leverages AI agents built within its Robotic Data Automation Fabric (RDAF) platform and AIOps solutions, to provide autonomous IT operations, following its Data-First, AI-First and Automate-Everywhere strategy. These AI agents allow Fabrix.ai to provide advanced AIOps capabilities, accelerate incident resolution, and move towards autonomous IT operations across various domains including observability, security, and networking.

Storyboards provide observability and explainability for these agents and the IT deployments they serve. The following storyboard shows the task assigned to the agent and how the agent has broken down the task using a task graph and then

leverages LLMs to execute each of these tasks. The storyboard shows vital operational insights, productivity gains as well as how each of the tasks and sub tasks have performed.



Harnessing the power of custom widgets

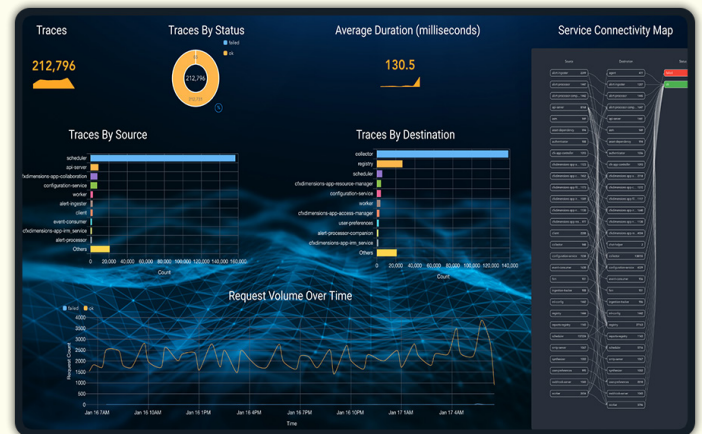
With all the talk about personalizing Storyboards using custom widgets, you might wonder about the way forward in creating and managing them. The good news is that creating custom widgets is seamless once you familiarize yourself with the key building blocks: **HTML + CSS** and **external JavaScript libraries**.

Storyboards allow you to plug in any external JavaScript library of your choice to craft custom widgets that conform to standard **Role-Based Access Control (RBAC)** rules, ensuring security and compliance. Additionally, widget creation can either be set during initialization or deferred to load time, offering the flexibility to suit your specific needs. The following Storyboard is a shining example of leveraging custom widgets for diverse use cases.

Microservices Trace Data Visualization

This sequence diagram visualizes the trace data of microservices powering Fabrix.ai's backend. It leverages custom widgets created using the popular **JavaScript** library, **Mermaid JS**.

The trace data is sourced from Fabrix.ai's persistent streams, providing detailed insights into the microservices running on each instance. Additionally, the diagram includes filter options, enabling users to drill down into specific microservices for a more focused analysis.



Excellence Beyond AIOps



So far, we've seen how Storyboards surpass traditional dashboards in the realm of data visualization, particularly excelling in AIOps and Observability. At their core, Storyboards are versatile, **general-purpose data visualization tools**, **unbound by datasets or domains**. They unlock the potential of untapped data, transforming it into compelling narratives that resonate.

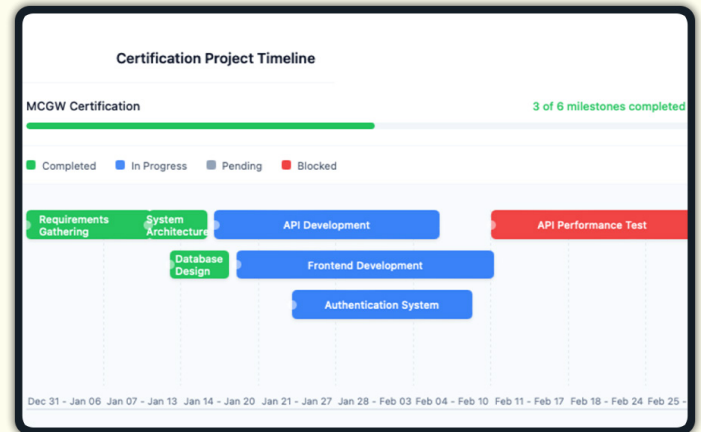
In the following examples, we explore how Storyboards work hand-in-glove with data from diverse domains, venturing beyond the boundaries of AIOps and Observability to reveal their broader applicability and unmatched potential.

Gantt Chart

Managing projects in a scaling business is no small feat. With multiple teams and stakeholders working together synergically, **success depends on seamless planning, execution, and meeting deadlines**. However, without careful tracking and coordination, even the best-laid plans can quickly descend into chaos before you realize.

That's where **Gantt charts** step in. These visual tools empower project managers and teams by providing a clear timeline of tasks, highlighting dependencies, deadlines, and resource allocation.

With Storyboards, you can take this further, utilizing custom widgets to **create personalized Gantt charts**. Tailored to your organization's needs, these tools help you navigate the complexities of project management with precision, guiding your business toward measurable success.



Conclusion

As we turn our pages into the next chapter of AIOps, Storyboards play a key role in fulfilling our modern AIOps mandates. Completely backed by a robust data orchestration platform, storyboards bring data from various sources across diverse domains into a one-shot hub to visualize your data, directly measuring business KPIs and revealing actionable insights. The degree of customization is only limited by your creativity, helping you achieve a truly outcome-driven AIOps solution.

For more information visit:

www.fabrix.ai

To Request a demo or further queries:

fabrix.ai/request-demo

