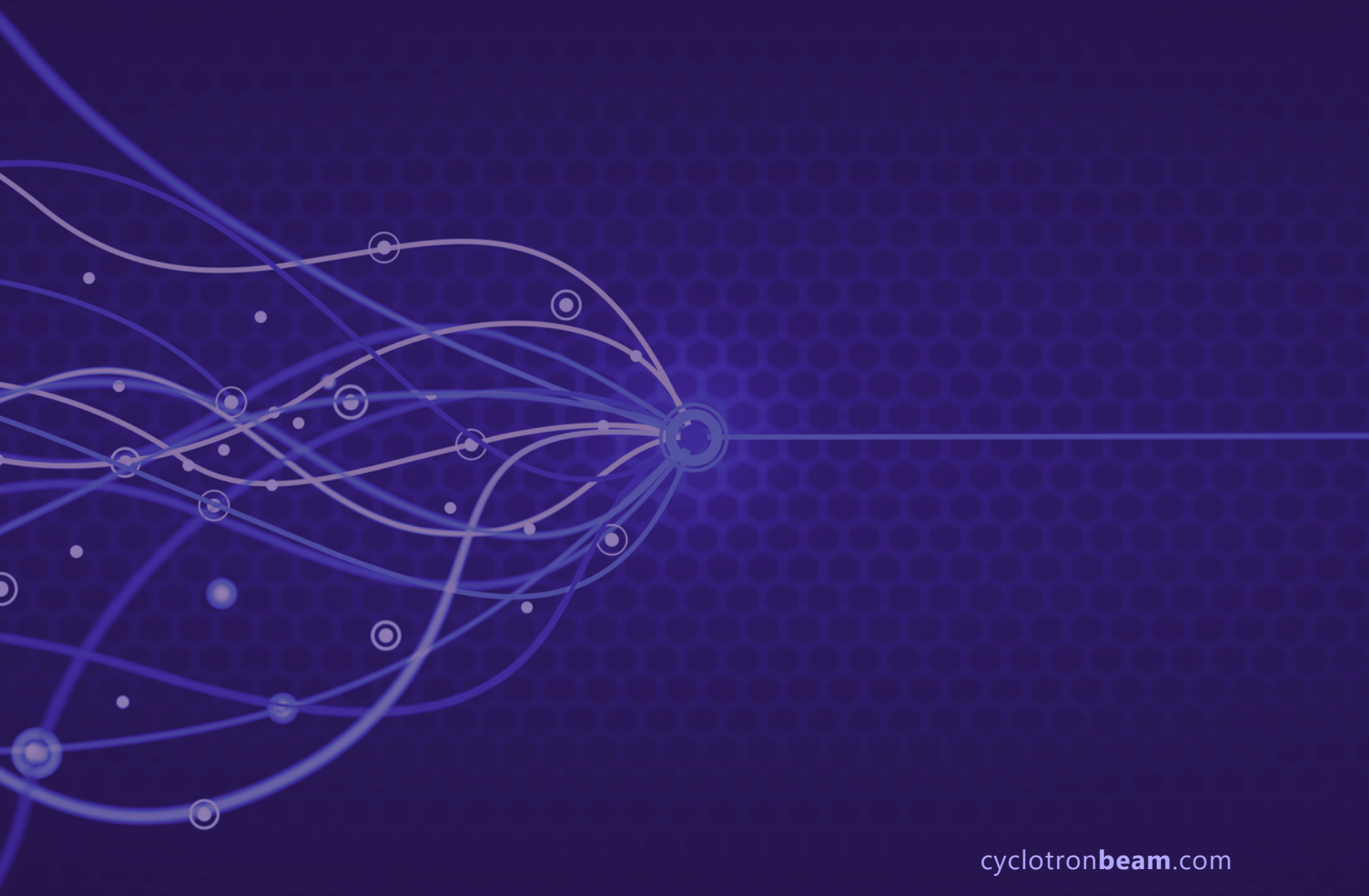
Cyclotron beam

The Great Migration

Introducing the first of its kind IDP migration platform specifically designed to accelerate Okta to Entra migrations, cutting app migration labor and time by up to 90%.



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Why migrate from Okta to Microsoft Entra?

Migrating identity management services from Okta to Microsoft Entra provides enhanced security features, improved scalability, and better integration with other Microsoft services. This transition not only streamlines operations but also aligns with advanced compliance requirements, offering a strategic advantage in managing digital identities efficiently.

Enhanced Security Features

Improved Scalability

Better Microsoft Integration

Though the benefits are significant, the process for Okta to Entra migration is complex and requires extensive time and labor with traditional migration processes. Traditional migrations, performed manually by migration experts, are often lengthy, costly, and prone to human error.

The Challenges of Traditional Migration

THE UNSTRUCTURED OUTPUT OF OKTA

Traditional migration processes often grapple with the unstructured data output from Okta, which complicates the extraction and integration of valuable identity and access management data. This lack of structure can lead to increased complexities and identity inconsistencies between platforms, posing a significant challenge in maintaining data integrity.

THE TIME NEEDED FOR MANUAL APP CONFIGURATION AND MIGRATION

Manual configuration and migration of applications are both time-consuming and prone to human error, typically requiring about two hours per application. This extensive time commitment not only slows down the migration process, but also impacts business operations by increasing disruption through extended downtime during the migration process.

THE RESULTING COSTS

Due to the extensive consultant hours required to manage the unstructured data and manual configurations, the traditional migration process is also financially demanding. This not only increases the direct costs associated with consultant fees but also incurs indirect costs from delayed operations and potential downtime during the migration phase.

Introducing: Cyclotron Beam

Cyclotron Beam stands out as the first migration platform specifically crafted to streamline the transition of identity provider (IDP) applications from Okta to Microsoft Entra. This innovative platform introduces a revolutionary approach to identity management migrations, utilizing proprietary technology that automates the intricate processes of data extraction, transformation, verification and migration. By being the first in the market to offer such a specialized solution, Cyclotron Beam sets a new standard for efficiency and precision in identity provider migrations.

DRAMATIC REDUCTION OF MIGRATION TIMELINES

Cyclotron Beam dramatically cuts down on migration timelines by over 90%, transforming what traditionally took months into a process that can be completed in just a few days. This significant reduction is achieved through its advanced automation capabilities, which minimize the need for manual intervention and accelerate every phase of the migration process. Organizations can now quickly reap the benefits of Microsoft Entra's robust security and compliance features without the typical downtime or extended disruptions associated with traditional migration methods.

WITH MORE SEAMLESS AND SECURE TRANSITIONS

The design of Cyclotron Beam prioritizes not only speed but also accuracy and security, ensuring that the migration process is seamless and free from errors. By automating the handling of unstructured data and complex configurations, Cyclotron Beam mitigates risks associated with data breaches and inconsistencies, which are common in manual migrations. This ensures that organizations transition to their new IDP platform with their data integrity intact and their security postures strengthened.

The Beam Methodology >>>

The Beam Methodology

The methodology employed by Cyclotron Beam adheres to the Cyclotron security team's rigorously defined standards for migrating IDPs from Okta to Microsoft Entra. This structured approach ensures that each phase of the migration process is executed with precision, security, and efficiency. The overall methodology is designed not only to simplify and accelerate the migration but also to ensure that all data transfers adhere to the highest standards of data integrity and security compliance.

The migration process with Cyclotron Beam is segmented into distinct phases: Discovery, Remediation, Configuration, Deployment, and Post-deployment. Each of these stages is tailored to address specific aspects of the migration challenge, ensuring a thorough and comprehensive transfer of all IDP elements from Okta to Entra. By following this methodical flow, Cyclotron Beam minimizes disruptions to ongoing operations and ensures a smooth transition to Microsoft Entra ID.

1. DISCOVERY
2. REMEDIATION
3. CONFIGURATION
4. DEPLOYMENT
5. POST-DEPLOYMENT

1

Discovery

The Discovery phase serves as the foundation of the migration process using Cyclotron Beam. In this initial stage, the platform conducts a thorough analysis of the existing Okta environment, identifying and cataloging all users, groups, and applications. This comprehensive audit is crucial for understanding the scope and complexity of the migration task.

COMPREHENSIVE ENVIRONMENT SCANNING

Cyclotron Beam utilizes advanced scanning technologies to meticulously gather data on every component within the Okta environment. This includes detailed information on user identities, group memberships, and the configurations of applications. The platform captures essential attributes and settings that define how each element functions within the corporate IT ecosystem.

DATA VISUALIZATION AND ANALYTICS

Alongside data collection, Cyclotron Beam provides a rich set of visualization tools that produce extensive graphs and analytical reports. These visualizations offer insights into usage patterns, dependencies, and potential bottlenecks within the Okta system. By analyzing this data, organizations can make informed decisions about how to structure their migration strategy to Entra.

PREPARING FOR TRANSITION

The discovery output forms a detailed report that outlines the current state of the Okta environment and highlights any critical issues that may require attention during the migration. This report is crucial for planning the subsequent phases of the migration, ensuring that every identified element is accounted for and appropriately handled in the next steps.

This meticulous approach in the Discovery phase sets a solid foundation for the following phase of Remediation, where identified entities are matched or reconfigured to fit into the Entra environment.

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Remediation

The Remediation phase of Cyclotron Beam's migration process focuses on ensuring a seamless alignment between the existing Okta environment and the new Entra system. This phase is critical in maintaining operational continuity and ensuring that all user and group assignments are accurately mirrored in the new IDP environment.

AUTOMATED MATCHING OF LIKE-OBJECTS

Cyclotron Beam employs sophisticated algorithms to automatically identify and match like-objects between Okta and Entra. This includes users and groups where the platform intelligently pairs equivalent entities based on attributes such as names, email addresses, and roles. The automated matching significantly reduces the manual effort required and accelerates the migration process by preserving existing relationships and permissions structures.

MANUAL MATCHING AND PROVISIONING

While automation handles a significant portion of the matching process, Cyclotron Beam also provides the flexibility to manually match or provision new objects in Entra. This feature is particularly useful in cases where no direct equivalents exist between the two systems or when specific customizations are needed. Users can intervene to manually align or create entities, ensuring that unique organizational needs are met during the migration.

ENSURING CONTINUITY OF ASSIGNMENTS

One of the most critical aspects of the Remediation phase is ensuring that all Okta assignments are correctly applied to the corresponding users and groups in Entra. Cyclotron Beam meticulously verifies that permissions, access controls, and group memberships are retained, adapting them as needed to fit the new environment's structure and capabilities. This step is essential to maintain security and functionality without disruption to end users.

The Remediation phase is pivotal in setting up a robust framework for the next stage of the migration process, which involves the Configuration of applications and their settings. This phase ensures that the groundwork laid in the Discovery and Remediation phases is capitalized upon to achieve a smooth and effective transition.

3

Configuration

The Configuration phase in Cyclotron Beam's migration methodology is key to tailoring the new Entra environment to meet the specific needs and configurations previously established in Okta. This phase ensures that each application and its associated settings are correctly set up in Entra, reflecting the operational requirements and security standards of the migrating organization.

AUTOMATED CONFIGURATION BASED ON TEMPLATES

Cyclotron Beam leverages a vast repository of templated configurations for thousands of applications, which serve as a baseline for automated setup in Entra. These templates are derived from best practices and typical application setups, ensuring a rapid and reliable configuration process. The platform automatically applies these templates to corresponding applications identified during the Discovery phase, significantly reducing the time and complexity involved in manually configuring each app.

CUSTOM CONFIGURATION ADAPTATIONS

In addition to applying templated settings, Cyclotron Beam offers the capability to automatically adjust and apply custom configurations. This is particularly important for SAML applications where specific settings based on the Okta configuration need to be replicated or adapted to fit the Entra framework. The platform intelligently analyzes existing configurations and replicates them, adjusting parameters as necessary to ensure functionality and compliance in the new environment.

ASSIGNING USERS AND GROUPS

A crucial part of the Configuration phase is the assignment of users and groups to their respective applications. Cyclotron Beam automates this process, ensuring that all appropriate entities are linked to their applications just as they were in Okta. This automation extends to the assignment of templated user attributes, further streamlining the migration process and reducing the potential for errors.

The thorough and automated approach of the Configuration phase ensures that the transition to Entra is not only swift but also seamless and secure, maintaining the integrity and functionality of each application. This setup is essential for a successful Deployment phase, where the configured applications are fully migrated and made operational within the Entra environment.

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Deployment

The Deployment phase is where the planning, configuration, and setup conducted in earlier phases come to fruition. In this stage, Cyclotron Beam facilitates the actual migration of applications by creating them in the Microsoft Entra environment, complete with all configurations and user assignments established in the previous phases. This is the critical step where the theoretical planning becomes operational reality.

MIGRATING APPLICATIONS TO ENTRA

Cyclotron Beam automates the creation of each application within Entra, implementing the detailed configurations and settings identified during the Configuration phase. The platform ensures that every application is recreated in Entra with all the necessary parameters, including security settings, user attributes, and connectivity requirements. This automation minimizes human intervention, reduces errors, and significantly accelerates the migration process.

ENSURING FUNCTIONAL CONTINUITY

As applications are migrated, Cyclotron Beam meticulously verifies that they are fully functional and correctly integrated with the new environment. This includes testing for connectivity, access permissions, and the proper functioning of all application features. The goal is to ensure a seamless transition, where end users experience no disruption in service or usability.

COMPREHENSIVE DOCUMENTATION

Throughout the Deployment phase, Cyclotron Beam generates detailed logs and documentation of the migration process for each application. This documentation provides invaluable insights into the deployment procedures and serves as a reference for ensuring compliance with internal and external audit requirements. It also assists in troubleshooting and reviewing the migration process, allowing for adjustments if necessary.

The Deployment phase marks a significant milestone in the migration process, as it actualizes the transition of applications into the Entra environment, ensuring they are ready for real-world use. This sets the stage for the final phase of the migration process: Post-deployment, which includes critical steps such as the automated cutover and the capability to initiate a quick rollback if needed.

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Post-deployment

But deployment isn't the end. Cyclotron Beam's post-deployment features are designed to ensure the stability and operational integrity of the newly migrated applications in Microsoft Entra. This phase includes critical functionalities such as the automated cutover process and the ability to quickly rollback if necessary.

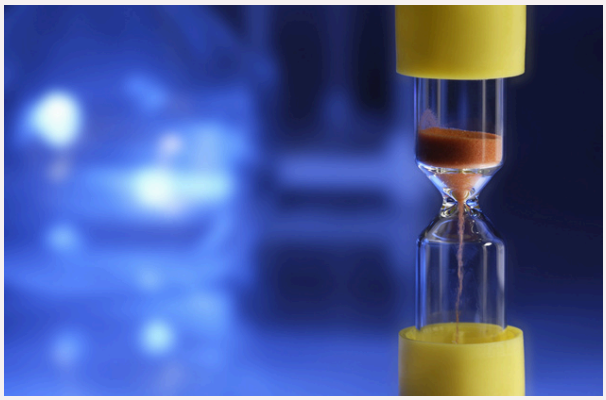
AUTOMATED CUTOVER PROCESS

Once the applications are fully deployed and operational in Entra, Cyclotron Beam initiates an automated cutover process. This process is crucial for making the transition seamless to end-users. It involves converting the original applications in Okta into bookmark apps that redirect to the newly migrated applications in Entra. This strategy minimizes disruption to the user experience, as end-users can continue to access their applications through familiar interfaces while benefiting from the enhanced security and functionality of Entra.

QUICK ROLLBACK CAPABILITY

Despite meticulous planning and execution, unforeseen issues can arise during or after any migration. To address this, Cyclotron Beam includes a quick rollback feature that allows administrators to revert the migration for any application back to Okta. This capability ensures that organizations can maintain continuity of service by quickly restoring the previous environment if the new setup encounters significant issues.

The Client Impact



MASSIVE REDUCTION OF TIME AND MANPOWER

By automating the bulk of the migration processes that traditionally required extensive manual effort, Cyclotron Beam achieves approximately **a 90% reduction in both time and labor.** This monumental decrease means that projects that previously took months or years can now be completed in just a few weeks or even days, with far fewer personnel involved.

EFFICIENCY GAINS AND IMPROVED RELIABILITY

The platform's ability to automate data extraction, matching, configuration, and deployment processes significantly improves efficiency compared to traditional migration processes. By streamlining these complex tasks, Cyclotron Beam not only speeds up the migration but also reduces the potential for human error, enhancing the overall quality and reliability of the migration.

RESOURCE REALLOCATION

The reduction in required manpower allows organizations to reallocate resources to other critical areas, enhancing productivity and innovation. Teams that would have been bogged down by the tedious details of IDP migration can focus on more strategic tasks, driving further value for the business.

The Client Impact *(continued)* >>>

DIRECT COST SAVINGS

By dramatically reducing the time needed to migrate applications and users, Cyclotron Beam decreases the dependency on external consultants and temporary staffing. Typically, migration projects involve substantial consultancy fees due to the specialized skills required. Cyclotron Beam's automation reduces this need, thereby lowering the overall project cost significantly.

INDIRECT COST SAVINGS

In addition to direct cost savings, the faster migration process minimizes operational disruptions, which often carry hidden costs such as lost productivity or delayed revenue generation from new technology deployments. The quicker integration of Microsoft Entra allows organizations to leverage its advanced features sooner, such as improved security and compliance capabilities, potentially reducing costs related to data breaches or compliance violations.

ENHANCED ROI

The cost savings, combined with the enhanced capabilities offered by Entra, result in a markedly improved ROI. Organizations not only save on the initial migration costs but also benefit from lower ongoing operational costs and improved security posture, further stretching their IT budgets.

Unparalleled Advantage

Cyclotron Beam offers an unparalleled competitive advantage by significantly shortening project completion timelines and reducing associated costs. These factors are critical when organizations evaluate technology solutions, as faster and cheaper implementations directly contribute to quicker returns on investment and reduced total cost of ownership.

Often times, Microsoft clients are already paying for licenses that include Microsoft Entra, meaning Cyclotron Beam can also help clients streamline their tech stack to fully leverage the value of their existing licenses.

Get in Touch

Cyclotron beam

For more information, contact us.

cyclotron**beam**.com

beam@cyclotron.com

linkedin.com/company/cyclotron-beam