

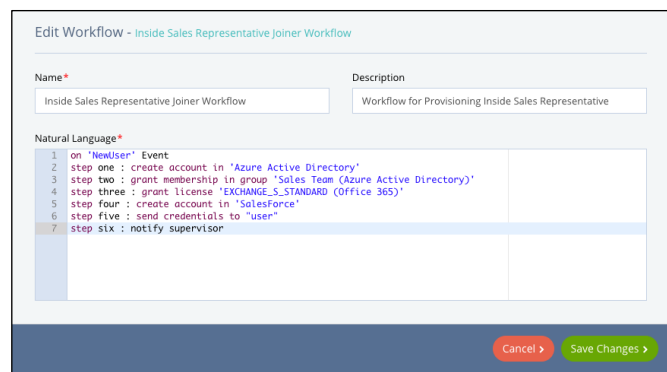
Overview

Today, all stakeholders are challenged with the fundamental problem of Identity and Access. Organizations are dynamic – current IAM tools and platforms are static. In large organizations, thousands of identity and access privilege changes are made every day. Current rule-based industry vendor solutions are rigid, expensive, don't scale, and aren't built with identity analytics in mind. As a result:

- Legacy manual processes are reinforced and IAM automation and efficiency goals aren't met.
- Creating a holistic view of IAM metrics across the business isn't possible.
- IAM becomes a drag on new employee productivity, agility and business growth and;
- Outlier access needs don't become part of the dynamic organization's institutional knowledge and are always provisioned reactive

A Natural Language User Interface for IAM

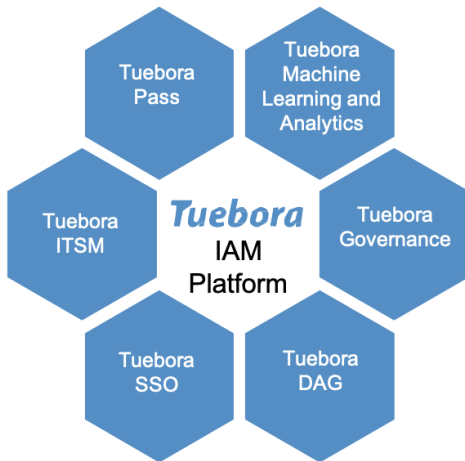
Tuebora has implemented a natural language user interface (NLUI) for its identity management platform using the Alexa SDK called Suno. The Tuebora implementation of NLUI accepts SMS, email, and voice inputs. This means your IAM processes can follow your business's workflows—not the ones predefined by a vendor. You also have the flexibility to innovate IAM Joiner/Leaver/Mover and approval processes for speed, efficiency, and error reduction.



Tuebora's Self-Driven IAM Analytics Platform

Tuebora's complete suite of Identity and Access Management solutions unifying the identity and access life cycle across cloud and on-premises environments. All Tuebora products run on a management platform that supports Tuebora and third-party IAM products. Tuebora combines provisioning analytics and user-behavior analytics to learn your team's provisioning behaviors and employee account usage. Tuebora continuously suggest provisioning efficiencies and looks for excess and unused access. This allows Tuebora to:

1. Proactively suggest identity and access provisioning policy changes.
2. Alert you to orphaned, unused and time-restricted accounts.
3. Watch for add/remove/change errors.
4. Provide the ability to orchestrate autonomous or semi-autonomous user privilege and access provisioning actions.
5. Automate metrics reporting across your IAM deployment.



Tuebora's Unique Machine Learning Benefits

Adding machine learning to IAM means new employees are more productive and add business value more quickly. Access provisioning templates are made dynamic and adjust to changing business needs. You are alerted to unused accounts on business applications that are costing you money and increasing your risk. Governance is continuously audited and compliance costs are decreased. Reducing the possibility of identity and data access provisioning errors also lowers risk. Augment or replace your existing IAM deployment products with Tuebora in little to no time.

Tuebora's APIs: The Power of the Identity Analytics Service Bus

Identity and access management is woven throughout an organization and its business systems. The access and privilege needs of individuals and departments require constant real-time communication between departments

	Rule Name	Recommendation Based on	Rule Description	
<input type="checkbox"/>	Account in Corporate Active Directory for all Employees	N/A	All Users should have Directory	Write Active
<input type="checkbox"/>	Account in Office 365 with Exchange Online License for all Employees	N/A	All Users should have license	Exchange Online
<input checked="" type="checkbox"/>	Allow Business Development Managers to edit Partner Agreements (System Recommended)	Access Request	Everyone above Managers in Business Development will have Read and Write permissions on Partner Agreements folder in Corporate File Share	
<input type="checkbox"/>	Access to Corporate Branding Shared Folder (System Recommended)	Access Request	All Employees who join will be granted Modify Access on Corporate Branding folder in Corporate File Share	
<input type="checkbox"/>	Access to Salesforce.com	N/A	Any Employee joining Sales department should get Access to Salesforce.com	
<input type="checkbox"/>	Full Control on HR Policies shared folder	Analytics	All employees with Job Title as HR Manager should have Full Control on HR Policies shared folder	
<input type="checkbox"/>	Membership in Boston Business Development Team Distribution List (System Recommended)	Access Request	All Users with Location as Boston and Job Title as Business Development Officer will become member of Boston Business Development distribution list in Office 365	
<input type="checkbox"/>	Membership in Business Development group in Corporate Active Directory	Analytics	All Employees with Job Title as Business Development Officer should be member of Business Development group in Active Directory	
<input type="checkbox"/>	Membership in Research-Advisors group in Corporate Active Directory	Analytics	All Employees with Job Title as Business Analyst and are part of Global Investment Research Department should be member of Research-Advisor group in Corporate Active Directory	
<input type="checkbox"/>	Remove Access to Marketing Shared Folder is User is no longer part of Marketing department	N/A	Remove all Access to Marketing shared folder if User is no longer part of Marketing department.	
<input type="checkbox"/>	Remove All Access for Terminated Users	N/A	All Access should be removed for all terminated Users	
<input type="checkbox"/>	Write Access to San Francisco Sales shared Folder when Department changes to Sales for any User in San Francisco location	N/A	All User should get write Access to San Francisco Sales shared folder when department changes to Sales for any User in San Francisco location	

Figure 1 - Automated provisioning rules based on previous provisioning activities

and systems for security, compliance and competitive advantage. Tuebora’s APIs and micro services provide interoperability with dozens of IAM infrastructure and business products for automation of provisioning processes. This also means support for hybrid cloud and on-premise deployments.

With a single hub for management of IAM provisioning processes and a robust set of two-way APIs and micro services, Tuebora’s platform adds a unifying layer on top of the IAM products you already have. You have the flexibility to use any of Tuebora’s suite of products to fill holes in your IAM deployment.

The Tuebora IAM Product Suite



Tuebora Machine Learning and Analytics
Apply Machine Learning to all aspects of IAM



Tuebora Governance
Manage IAM Life Cycle with minimal administration



Tuebora DAG
Manage unstructured data through entitlement enrichment



Tuebora SSO
Seamless access to cloud and on-premise applications



Tuebora ITSM
Apply Machine Learning to all aspects of IAM



Tuebora Pass
Reduce helpdesk workloads with self-service password resets