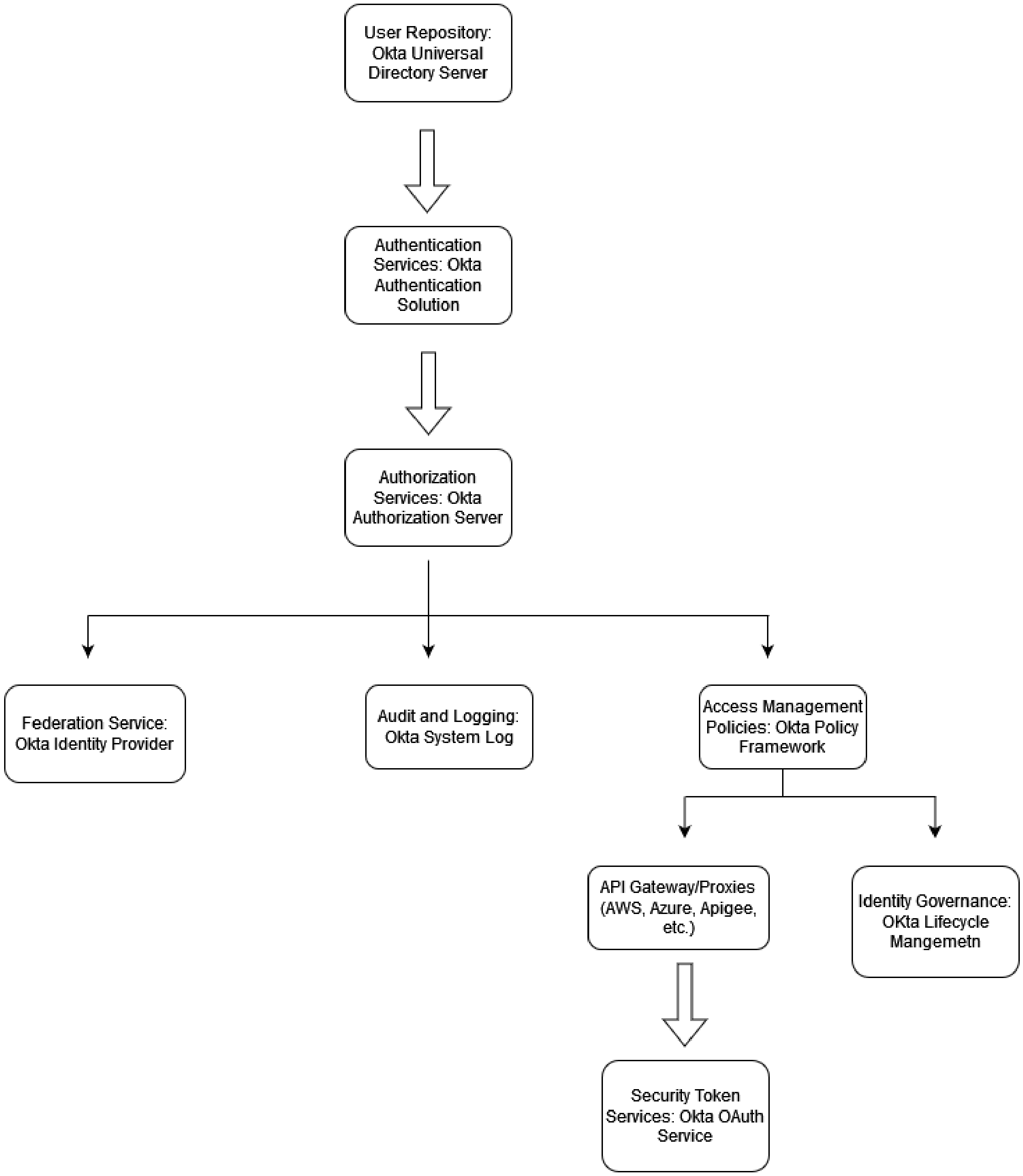
User Repository: Okta Universal Directory Server
Authentication Services: Okta Authentication Solution
Authorization Services: Okta Authorization Server
Federation Service: Okta Identity Provider
Audit and Logging: Okta System Log
Access Management Policies: Okta Policy Framework
API Gateway/Proxies (AWS, Azure, Apigee, etc.)
Identity Governance: OKta Lifecycle Mangemetn
Security Token Services: Okta OAuth Service

Identity and Access Management System Diagram using Okta

Description of IAM Diagram

1. User Repository: - Okta Universal Directory: Okta's cloud-based user directory where user identities and attributes are stored.

2. Authentication Services: - Okta Authentication: Provides secure authentication services, supporting various authentication factors such as passwords, MFA (Multi-Factor Authentication), and biometrics.

3. Authorization Services: - Okta Authorization Server: Manages access control decisions and issues access tokens based on OAuth 2.0 and OpenID Connect standards.

4. Federation Services: - Okta Identity Provider: Acts as a federation hub, enabling single sign-on (SSO) and federated access to multiple applications and services.

5. Access Management Policies: - Okta Policy Framework: Defines fine-grained access control policies based on user attributes, groups, and contextual factors to enforce access restrictions.

6. Audit and Logging: - Okta System Log: Records user authentication events, administrative actions, and other system events for auditing and compliance purposes.

7. Identity Governance: - Okta Lifecycle Management: Automates user provisioning, deprovisioning, and access management workflows based on predefined policies and rules.

8. API Gateway/Proxies: - AWS API Gateway, Azure API Management, or Apigee: While not directly provided by Okta, these API gateway services can be integrated with Okta for secure API access management and enforcement of access policies based on Okta authentication and authorization.

9. Security Token Service (STS): - Okta OAuth Service: Generates and manages OAuth tokens for secure API access and authorization based on Okta user identities and permissions. In this architecture, Okta serves as the central identity provider and access management platform, providing a comprehensive suite of services for user authentication, authorization, federation, lifecycle management, and audit logging. Integrating Okta with API gateway services ensures that API access is securely managed and aligned with the organization's identity and access policies enforced by Okta.