Harish Raparthi

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**Professional Summary**

Information security professional with 8+ years of experience in SDLC of Enterprise Security, primarily focused on Identity and Access Management (IAM) and Privileged Access Management (PAM) Solutions. Successfully lead teams in deploying CyberArk in AWS infrastructure. Widely known for automating and resolving issues related to IAM. Enthusiast in designing and architecting complete enterprise solutions.

**Skill Set**

Identity Management: Oracle Identity Manager (OIM) 11g/12c, Oracle Privileged Access Manager (OPAM) 11g, CyberArk Password Vault (10.10,12.6), Microsoft Identity Manager (FIM/MIM), Microsoft Entra ID(Azure AD), AWS IAM

Access Management: Oracle Access Manager (OAM) 11g/12c, Oracle Adaptive Access Manager (OAAM) 11g, CA SiteMinder 6, Single Sign-On (SSO), Security Assertion Markup Language (SAML), Identity Provider (IdP), Radius

Directory Servers: Microsoft Active Directory (WS 2016, WS 2019) Oracle Internet Directory (OID) 11g/12c, Oracle Virtual Directory (OVD) 11g, Oracle Unified Directory (OUD) 11g/12c

Application Servers: BEA WebLogic 11g, Apache Tomcat 6

Web Servers: IIS 6, Apache/OHS 11g.

Database: Oracle Database 12c/11g, MySQL, SQL Server 2016,2019

Applications: Microsoft Office - Visio - Project, JDeveloper, SQL Developer

Software Development: Java, Shell Scripting (Bash), Web Programming (HTML JSP), SQL

Other: CrowdStrike, Qualys, Quest Change Auditor, RMAD, Splunk, Trellix (Solidcore Endpoint Solution), EC2 S3, CloudWatch, Cloud Formation, PowerShell, Jira, Confluence, DNS, Firewalls, File systems, EC2, Load Balancer, SAFe/Agile Methodology

**PROFESSIONAL EXPERIENCE**

***Lead IAM Engineer*** Financial Information System for California, Sacramento, CA

Nov 2021 – Till date

* Installing, upgrading and configuration of oracle 12C fusion middleware including Weblogic, Identity and Access Management Suit, Oracle Unified Directory, Oracle HTTP servers from 11gR2PS3.
* Design and implement Identity and Access Management Suit based on requirements.
* Integrating Hyperion application with 12C Access Manager for Single sign on.
* One-time user full reconciliation to create users in Fiscal system from existing User Repository.
* Gather requirements from client and implement in existing environments as requested and document.
* Writing Custom Java code according to the requirements using Identity Management API's.
* Customizing Oracle Identity Manage UI for conditional display depending on User admin roles, adding multiple custom UDF’s in create user, modify user, user attributes on user Interface pages.
* Troubleshoot the network issues or user access issues, join level 2 and level 3 issues (SEV's) related to the same.
* Responsible for testing current environment performance and setup/configurations to improve end user experience by solving tickets in minimal time.
* Implemented and configured successfully SP initiated federation for three external applications with SAML2.0
* Responsible and primary point of contact for all sort of vulnerability remediation across IAM environments.

***Senior Identity Governance Engineer(Lead)*** Wholefoods Market, Austin, TX

Aug 2019 – Nov 2021

* SME and sole engineer for the following systems and services
  + CyberArk (PVWA/PSM/PSMP/CPM/CCP/AAM/Vault),
  + Microsoft Identity Manager 2016 (FIM/MIM)
  + Automating Monthly patching using AWS Patch Manager
* Shared responsibilities in a team of five IAM engineers of the following systems including upgrading, support, troubleshoot issues.
  + Active Directory (2 forests, 7 Domains, 160K+ users)
  + Azure SSO/MFA
  + Azure AD/AAD Connect
  + NPS/PKI/AWS Cloud HSM/Sectigo/Group Policy
  + AWS Federation
  + Automating AWS services using CloudFormation templates (SSM/Cloud watch/CLI/ Paravirtual (PV) Drivers/VSS)
  + Upgrading CrowdStrike, Qualys, Quest Change Auditor, RMAD, Splunk Universal Forwarder, Trellix agent - Solidcore ENS (a.k.a McAfee)
  + Firmware upgrade for Physical Servers

Accomplishments:

* Successfully implemented and migrated MIM cutover from old FIM environment (dated 2009). Based on new solutions annualized estimated savings were about ~200K with respect to new account creation, password reset, Display name changes, account expiration.
* Responsible for PAM CyberArk environment major version upgrade from 10.10 to 12.6. Received multiple appreciations for the effort and implementation with minimal number of little to no issues.
* Responsible for KTLO (Keep the Lights On) features for IGA in general including patching and maintenance for CyberArk and MIM.
* Eliminated single points of failure in the existing systems with the intent to research, POC, and onboard a new IGA solution.

Responsibilities:

* + - * Design, Implement, configure, support all IAM and PAM solutions, programs including SSO/MFA/AWS Federation supporting the enterprise end user, application, and server environments.
      * Sole SME for MIM and CyberArk Infrastructure, maintenance and support for more than 3 years now.
      * Owned creating IAM Infrastructure and configuration using: EC2, Lambda, Auto Scaling, S3, Key Management System, EBS, VPC, VPN Gateway, Route 53, CloudFront, Application Load Balancer, RDS, DynamoDB, Athena, CloudFormation, Cognito, SQS, SNS, API Gateway, Elastic Beanstalk, AWS QuickSight, AWS Cloud Development Kit
      * Took part in after-hours on-call support rotation for: implementing solutions, patching (on-prem, Azure AD, AWS), newer deployments.
      * Responsible for incident and threat response, root cause remediation for all IAM technologies and services
      * Create and maintain documentation related to IAM services.
      * Eliminated human interaction for redundant process using AWS cloud formation templates.
      * Participated in brainstorming sessions with senior engineers and architects in finding better solutions.
      * Implement best practices for Identity governance and administration i.e., provisioning, de-provisioning, privileged access management, access reviews.
      * Responsible for Quarterly Audit Reviews and SOX controls, gather evidence for the audit reports and document them for manager review.

***OIM Administrator and Developer,*** Financial Information System for California, Sacramento, CA

Feb 2016- Aug 2019

Accomplishments:

* + - * Successfully implemented Oracle Identity Manager (OIM PS3), Oracle Access Manager (OAM), Oracle Adaptive Access Manager (OAAM) and Oracle Internet Directory (OID) in a high availability environment.
      * Automated ~160 California department user access request process.
      * Implemented automated user creation and onboarding workflow with multiple approval levels which reduced 3 days manual process to within couple of hours.
      * Implemented RBAC (Role Based Access Control) for IAM system and external applications.
      * Worked with Application teams and automated edge cases for complete end to end provisioning.
      * Successfully implemented and standardized the IAM patching cycles for all environments (Dev, Test, Prod)

Responsibilities:

* Responsible for all IAM related escalation and implementations withing organization.
* Implemented end to end IAM solutions using OIM/OAM/OAAM with LDAP Sync with Oracle Internet Directory (OID) for OIM, OAM integration.
* Installed and configured Oracle HTTP servers, Webgates, and Webagents to protect external application resources (PeopleSoft Finance, Hyperion, OBIEE)
* Developed custom SOA workflows for multiple levels of approvals. Based on role risk level, request is processed to go through various approval stages.
* Customized OIM PS3 UI for conditional display depending on user admin roles, adding multiple custom UDF’s in create user, modify user, user attributes pages.
* Customization of code on multiple roles creation, modification, publishing/un-publishing roles to organizations, organization creation and updating.
* Implemented SSO across multiple applications, onboard various other applications which are not using SSO.
* Implemented and configured successfully SP initiated federation for three external applications with SAML2.0.
* Responsible for all ServiceNow IAM related L3 tickets and escalations.
* Participate in after-hours patching and support activities based on internal/external departmental user requests.

***IDAM Consultant,*** La-Z-Boy Inc., Monroe, MI Nov 2015 – Jan 2016

* Implemented Oracle Identity Manager (OIM 11.1.2.3), Oracle Access Manager (OAM 11.1.2.3) in a highly available environment setup with LDAP Sync in DEV, TEST and PROD.
* Installed and configured Oracle Unified Directory (OUD) in a highly available configuration using multi-master replication mode.
* Installed and configured connector server and deployed AD Connector for Trusted Reconciliation.
* Installed and configured Oracle HTTP/S servers and Webgates to protect both OIM and OAM applications for Single Sign On integration for users accessing the application from intranet and internet.
* Integrated OIM-OAM to enable Single Sign-On (SSO) for multiple applications.
* Fine-tuned overall environment for performance and stability.
* Prepared documentation for installed products OUD, OIM, OAM, OHS, Webgates and integration between OIM-OAM.
* Migrated users from AD to OIM using AD trusted reconciliation and setup password synchronization connector to synchronize the passwords to OIM.

***OIM Developer,*** Merck & Co., Inc. Branchburg, NJ Sep 2015 – Oct 2015

* Installation and Configuration of Oracle Identity Manager (OIM), Oracle Access Manager (OAM), WebLogic Server and SOA Suite for deploying identity management stack on a new environment.
* Created configuration for criteria based provisioning and de-provisioning solutions, membership rules and access policies for applications.
* Design, Develop, Implement, configure, troubleshoot and tune OIM 11g and OAM 11g.
* Architect Identity Management Systems and High Availability.
* Implementing and customizing Oracle Fusion Middleware Technology OIM11g R2 according to the requirements and automating the process of provisioning
* Configure Oracle HTTP server 11g and Oracle Webgate 11g to secure URLs.
* Configured Process tasks, Adapters and Event Handlers for provisioning of users.
* Developed scheduled jobs as part of connectors to keep the entitlement data up to date and for reconciliation of user profile data with OIM users.
* Maintain and administer resources for authentication and authorization on Oracle Access Manager
* Build Access Policies for auto-provisioning resources to users based on defined criteria.

***Web Access Administrator***,Fusion Plus Solutions Inc, Addison, NJ Apr 2015 – Aug 2015

* As an intern I was part of a web application access administration group.
* Responsible for installing policy sever on Linux environment boxes, implement single Sign on to different web-based applications.
* Install and configure standalone Oracle Internet Directory user repository in all the Linux boxes as user store.
* Reconcile existing user to new User identity store (LDAP)
* Involved and trained on enterprise level identity manager concepts, deployment, architecture and installed this on-site physical, virtual machines.
* In addition to this, solve, debug the issues as part of integration with different applications.

***Graduate*** Assistant, SUNY Polytechnic InstituteSep 2013 – Dec 2013

* Worked under the University Undergrad and Grad academic advisor, to hold and maintain the student records in different folders for future reference.
* Look for the student records who are under the status of Academic warning and submit the student information to the advisor.
* See all student grades and make a report of all students who are supposed to focus more on their next semester grades.
* Maintain all student parent, international student emergency contact information.

**Education**

Master of Science, Telecommunications Aug 2013- May 2015

State University of New York Polytechnic Institute (SUNY Poly), Utica, NY.

**Professional Certification**

Oracle Identity Governance Suite 11g PS3 Certified Implementation Specialist Dec 2018

AWS Knowledge: Cloud Essentials Nov 2023