جامعة الجميع الذكية
EVERYONE`S SMART UNIVERSITY

Everyone’s Smart University

Project (Spring 2021)

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Advanced project Management

The Identity & Access Management project

Introduction:

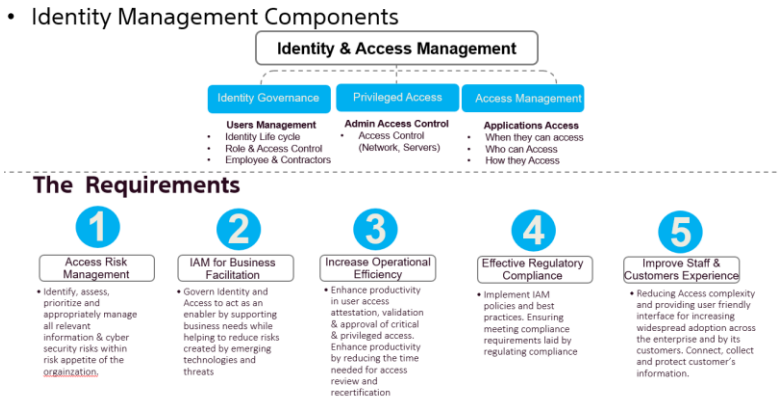
One of the main ideas of being a project manager is to lead the project to accomplish a target with a planned budget and meet the deadline with stakeholders' satisfaction. Initiation of the project come from PMO and was assigned to the project manager (PM), which I am. The main reason for it was regularly compliance and operation needs. The project was identity access management (IAM). Furthermore, the main function of this information technology solution will manage and be considered as a core information security system that managed the end-user lifecycle for major applications in our organization.

The methodology of research:

The scope of the project:

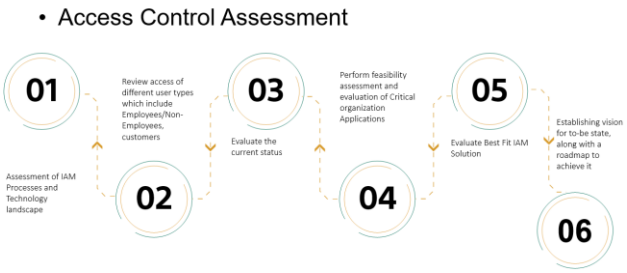
The objective of this project is to design and integrate an identity and access management solution to address who has access to what and when for all employees as well as customers. The goal is to automate and enhance the end-user experience and onboarding / off-boarding process for identity by providing a centralized and friendly interface to request access, manage passwords, and centralized authentication .

The solution will also provide the ability to see (Employee, Contractors) access details and enforce access control policies of our organization.



The objective of the project:

1. Allow users a simplified boarding journey starting from the hiring stage until resin, including all employees and contracts, and provide a simple way to requested new accesses/roles, and accounts.



2. Ensure our organization information and environment are secure and protected from unauthorized access, monitor user behavior by secure access, and enable multifactor authentication.
3. Managing and monitor high privileged accounts for admins and super application users include (networks, servers, systems, and database) and provide the correct privilege based on his/her job title.

Notes: this the final scope based on result of discussion about IAM solution

Discussion about Identity and Access Management solution (IAM):

As mentioned on introduction about the IAM solution. As project manager, we know the project before it has chosen. There are some step it has to be done. First the technic of chosen use by organization which has two type numerical and nonnumeric (sacred cow, operating necessity)* which I used on this project. In addition, prepare the business case from the team to secure the budget and the main benefit of the project. The Question should be here why we need this solution. Based on the real stories “In early September 2011, the Swiss bank has been use announced that it had lost over $2 billion as a result of unauthorized trading performed by a directors of the bank’s” *. Poor management of access rights can result a lot of lose for any organization. Any change of job title and role it has to be monitors and control by the IAM solution to avoid any consequences. Moreover, to build the business case, to make the business stakeholder understand who the IAM address the organization need. We need to prepare the a few tools and tech, SME for example, we need to prepare a meeting with sponsor, program manager, PMO manager, and SME on the IAM solution on field and take all need information to take the right direction of the project by using (brainstorming, Delphi technique, meeting, and chick list)**. Specially, this kind of project will affect all application system and need to make a reengineering of process

and polices (role / responsibility matrix). This kind of project come with High potential risk of Failure, if not implemented and plan in a decent way. Based on experience, before start to implement the project you have to make the IAM assessment that will analysis your organization's environment to answer one simple questions. Which product shall buy that will fit our organization? How long duration will take.

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*APM chapter 5

**Google books website / identity and access management business performance connected Intelligence

** BMBOK 6th edition page 75, 80 & Chapter 6 & 5 on APM

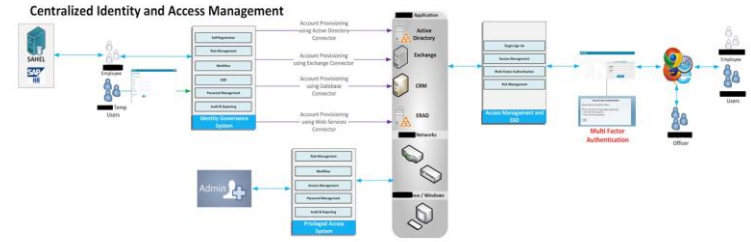
Result of resources:

- Books of Identity and access management, include all information that we need information to implement the IAM solution successful, start of book include the some real stories who the solution is so important on every large organization and how to make the business case and how to achieve the solution " I recommend to read it ".
- Identity and Access Management as Security-as-a-Service from Clouds, this study focus on IAM solution as important security solution and discussion the cloud IAM solution and how is implement the POC and evaluated the result of it. Also, explain who is must easier implement than on-promise and has a great of chance of success. However, we're looking for on-promise IAM project as a regulation compliance so this study will not help us here to support out purpose.
- Systematic Review of Identity Access Management in Information Security, the study focus on all type of IAM solution and disadvantage of IAM cloud and who is not able to monitor and control every interaction during the session, the author complete the study with objective of IAM and methods of study with include 172 articles. Also, with result of it. However, this study include a few types of IAM like IAMsaaS which cloud, IAM solution in general, traditional IAM which is we about to cover on this paper. Even though, the study provide the general idea about the solution it should support my paper.
- One of main resource on the project management methodology is the PMBOK, the book has every important information for with 10 knowledge areas and 49 process it will guide any one to get enough information to be a Project manager.

The Conclusion:

Based on the earlier discoursed, our project is to implement the IAM solution on-promise. The scope of project as photo below.

Envisioned Identity and Access Management Architecture



- **Full Integration with all Applications**
- **Automate Identity Life-Cycle (Joiner, Change, Leaver) for Employee and Contractors**
- **Single Sign on for all staff and costumer**
- **Control access to Privileged and Admin Accounts**

Reference:

- PMBOK……
- Books of Identity and access management (https://books.google.com.sa/books?id=nW-tAAAAQBAJ&printsec=frontcover&hl=ar#v=onepage&q&f=true)
- Identity and Access Management as Security-as-a-Service from Clouds (https://www.sciencedirect.com/science/article/pii/S1877050916002489)
- Systematic Review of Identity Access Management in Information Security (http://www.jacn.net/vol3/158-IS009.pdf)
- APM chapter 5 &6.