

ARCHITECTURE PROCESS

**Version1.0**

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**05/11/2019**

**VERSION HISTORY**

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| **Version #** | **Date** | **Author** | **Editor** | **Content** | **Status** |
| 1.0 | 05/11/2019 | Quang Vuong |  |  |  |

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1. **Introduction**
   1. **Purpose**

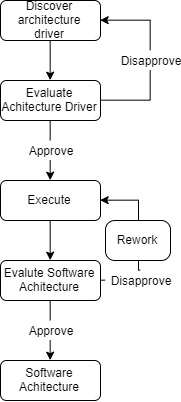
Architecture process define acts to be performed in architecting. It provides process to execute and approve architecture documents.

1. **Process**
   1. **Role and Responsibility**

|  |  |  |
| --- | --- | --- |
| **No** | **Role** | **Responsibility** |
| 1 | Requirement leader | Coordinating the gathering and tracking of the architecture drivers |
| 2 | Architecture leader | Plan for architecture phase, process used to refine the design.  Decompose and assign task for member orther. |
| 3 | Member orther | Execute task which were assigned |
| 4 | Customer | Provide requirement document of development team. |

Table 1. Roles and Responsibilities

* 1. **Process**



* 1. **Step 1**

|  |  |
| --- | --- |
| Quality Assurance Description | |
| Purpose | Find out architecture driver |
| Inputs | Document SRS |
| Detail step | Architecture leader have to identify architecture drivers base on requirement of customer, document requirement(SRS) |
| Roles | Architecture leader |
| Outputs | Architecture drivers |

Table 2: Step discover Architecture Drivers

* 1. **Step 2**

|  |  |
| --- | --- |
| Quality Assurance Description | |
| Purpose | Find out architecture driver |
| Inputs | Document SRS, architecture driver |
| Detail step | Architecture drivers were find out by architecture leader will be members for comments and if it’s have a problem, return to step 1. If not, go to step 3. |
| Roles | Architecture leader, member orther |
| Outputs | Document architecture driver |

Table 3: Step evaluate Architecture Driver

* 1. **Step 3**

|  |  |
| --- | --- |
| Quality Assurance Description | |
| Purpose | Delivery software architecture |
| Inputs | Document architecture driver |
| Detail step | Architecture leader will be assign task for member orther. Members base on doc architecture driver to draw architecture |
| Roles | Architecture leader, member orther |
| Outputs | Doc software achitecture(not approved yet) |

Table 4: Step exucute

* 1. **Step 4**

|  |  |
| --- | --- |
| Quality Assurance Description | |
| Purpose | Approve doc software achitecture |
| Inputs | Document software achitecture(not approved yet) |
| Detail step | In this step, all members will give reviews for doc software achitecture and if it have a problem, it will be rework and then return to step 3. If not, go to step 5 |
| Roles | Architecture leader, member orther |
| Outputs | Review for doc and decision to rework or approve |

Table 5: Step evaluate architecture

* 1. **Step 5**

|  |  |
| --- | --- |
| Quality Assurance Description | |
| Purpose | Find out architecture driver |
| Inputs | Document software achitecture(not approved yet) |
| Detail step | Achitecture leader approve this document |
| Roles | Architecture leader |
| Outputs | Document software architecture(approved) |

Table 6: Step software architecture