**Danial Dadmohammadi**

**[D365 finance and operations]  ARADA**

**Technical design document**

**for**

**IT-245 |** **Approval of leave - Reminder notification to mgt 48 hrs. and reminder to Empl/sup/deleg**

**Revision and Signoff Sheet**

**Change Record**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Author | Version | Change reference |
| 2/2/2023 | Danial Dadmohammadi | 1.0.0 | Task 245: Approval of leave - Reminder notification to mgt 48 hrs. 2nd reminder to Empl/sup/deleg |

**Reviewers**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Version reviewed | Position | Date |
| Nagendra Chitturi | 1.0.0 | Solution Architect |  |

**Approvers**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Version reviewed | Position | Date |
| Awad | 1.0.0 | Senior Manager – Enterprise solutions |  |

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1. Overview

## Objective

## Approval of leave - Reminder notification to manager 48 hrs.

## Reminder to Employee/sup/delegate

## References

|  |  |  |  |
| --- | --- | --- | --- |
| ZOHO ID | Manage Engine ID | Description | Owner |
| HRT-T330 | -- | Approval of leave - Reminder notification to mgt 48 hrs and reminder to Empl/sup/deleg | Danial, Nagendra |

## Purpose and Overview

After registering the leave transactions by the employee, a reminder notification should be sent to his/her manger in order to inform him/her about that, if it lasts over the SLA hour value (i.e. : 48 hrs.)

## Requirement Overview

*Setting a reminder for managers to aware about the leave approval and for the employee as well*

## Solution Overview

* To send a notification base on the special conditions, we have set a new business event on the “Human Resource” module that acts as an event handler on the “ARWorkflowSLATmp” table inserted. This event checks the last record inserted due to the SLA time assigned. If it is over the SLA time, the business event is triggered and an email is send with all related information to the employee and his/her manager.
* The inserted event on that table is monitored using a batch job. It checks all time the mentioned table and whenever a record with the aforesaid conditions is inserted the business event will be fired.

Following are the objects that are involved in the development process.

Soloution name: ARWorkflowSLA\_ddm

Project name: ARWorkflowSLA\_ddm

**Classes:**

|  |  |
| --- | --- |
| **Object name** | **Purpose** |
| AR\_SysOperationControllerWorkflowSLA\_Extension | A class for Batch Operation Workflow SLA |
| AR\_SysOperationServiceWorkflowSLA | A service class for process operation in the batch job |
| AR\_WorkflowSLABusinessEvent | Extends from the “BusinessEventsBase” for business event |
| AR\_WorkflowSLABusinessEventContract | A data contract class for business event |
| AR\_WorkflowSLABusinessEventTrigger | Event handler class for inserted event on table |
| ARWorkflowSLA\_getFromDialog | A class for opening question dialog box |

**Action Menu Items:**

|  |  |
| --- | --- |
| **Object name** | **Purpose** |
| ARWorkflowSLA | To open the dialog box class |
| ARWorkflowSLARunBatchJob | To run the batch job logic |

**Form Extensions:**

|  |  |
| --- | --- |
| **Object name** | **Purpose** |
| WorkflowTableListPageRnr.ISLDEV | Adding a workflow SLA field |

**Tables:**

|  |  |
| --- | --- |
| **Object name** | **Purpose** |
| ARWorkflowSLATmp | -- |
| WorkflowTable.ARFriendlyNameExt | Adding the workflow SLA colomn |

### 

### Security design

## Security Roles

|  |  |  |
| --- | --- | --- |
| **Name** | **Duties** | **Addl Remarks** |
| -- | -- | -- |

## Duties

|  |  |  |
| --- | --- | --- |
| **Name** | **Privileges** | **Addl Remarks** |
| -- | -- | -- |

## Privileges

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Entry Points** | **DATA entity permission** | **Access Level** | **Addl Remarks** |
| ARWorkflowSLASP | ARWorkflowSLA | -- | Unset | -- |
| ARWorkflowSLARunBatchJobSP | ARWorkflowSLARunBatchJob | -- | Unset | -- |

## Process Cycles

|  |  |  |
| --- | --- | --- |
| **Name** | **Duties** | **Addl Remarks** |
| -- | -- | -- |