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| Project Code | TFS\_22\_001 |
| **Project Name** | Travel Food and service |
| **Request No.** | RFC\_24-25\_011 |

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| **Requested By** | Mr. Deepak Dhyani |
| **Requested On** | 09-12-2024 |

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| **Title** | Automated Batch Posting |
| **Problem/Requirement Summary** | |
| In the existing Navision application, when multiple users are accessing the same feature of NAV – users are getting table locking errors while trying to post the transactions such as GRN. Shipment etc.  Also there is a requirement to capture the transaction ‘Creation Date & Time’ & ‘Actual Date & Time’.  Hence, TFS team is looking forward mitigating this issue wherein multiple users should be able to post the document using same features. | |
| **Proposed Solution** | |
| Based on the discussions and understanding from TFS team, for Document Parking and Batch Posting has been proposed;   1. Wherein, the documents will not be immediately posted once the ‘post’ button is hit in NAV – instead the document is saved in the background for posting; 2. An NAS batch job queue will be run at regular intervals which will post these documents. 3. The solution is for; GRN, Purchase Invoice, Purchase Credit Memo, Sales shipment, Sales Invoice (for B2B transactions only i.e. excluding POS Billings), Sales Credit Memo, Transfer Orders, Item Journals and General Journals/Voucher. 4. For Purchase & Sales; Background posting covers both the sales and the purchase side and has been implemented for the following areas: **Sales Order**, **Sales Invoice**, **Sales Credit Memos**, **Sales Return Order**, **Purchase Order**, **Purchase Invoices**, **Purchase Credit Memos** and **Purchase Return Order**. The sales and the purchase sides are set up separately. Background posting covers the **Post** as well as the **Post and Print** scenarios. Also need to set up printers and NAS Service on the server correctly if **Post and Print** is activated. Our recommendation is that to set up the job queue to run on a dedicated NAS Service, but for demoing purposes, it is easier to start the job queue on the existing session. This blog post will focus on the job queue run and not the NAS Service setup. 5. Posting the above-mentioned documents will create a job queue entry to be run on the dedicated job queue. This will execute the posting routine and if required, it will be sent to a printer. There is a visible difference in the posting routine, since the background posting will notify the user that the order has been sent for posting instead of showing the actual posting steps.  It is possible to see the state of the posting. Showing the job queue status column on the list page will show the state of the posting. If notification is turned on in the set up, it is very useful to add the notes Fact Box to the list page as well. This is valuable in cases where the posting for some reason doesn’t finish. 6. **Automated Execution and Error Handling**: The system will automatically execute the order. In the event of an error, the system will skip the problematic order and continue processing the next item/Order in the job queue. Additionally, an error log will be created to document any issues encountered in form of a dashboard. 7. Notes: Based on the NAV system configuration, the cost posting to the G/L and Adjust Item Costs are performed – if the Automatic cost posting is selected then the inventory and cost adjustment will happen during the batch posting itself whereas if manual method is selected then the same will be performed during month end. | |

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| **Impact Analysis** |
| Below pages & tables are configured/modified/developed;   |  |  |  | | --- | --- | --- | | Tables | Pages | Codeunit | | Purchases & Payables Setup (312) | Purchases & Payables Setup (460) | Sales Post via Job Queue (88) | | Job Queue Category Code (39) | Sales & Receivables Setup (459) | Purchase Post via Job Queue (98) | | Job Queue Priority for Post (40) |  |  | | Notify on Success (43) |  |  | | Post & Print with Job Queue (41) |  |  | | Sales & Receivables Setup (311) |  |  | |

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|  | **Analysis**  **(Effort in Hours)** | **Design**  **(Effort in Hours)** | **Development &Testing**  **(Effort in Hours)** | **Deployment to Production**  **(Effort in Hours)** | **Total**  **(Effort in Hours)** |
| Configuration & Development | 08 | 16 | 16 | 08 | **48** |
| **Schedule for Move production (approximate Date)** | | | Depends on approval & UAT completion. | | |
| **Dependencies for Deployment** | | | Nil | | |

Note: The estimates not considered any efforts towards documentation.

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| **Total Billable time (in Hrs)** | **Unit Price (in INR)** | **Amount Excl. Tax**  **(in INR)** |
| 48 hours | 1512.5/- | 72,600/- |
| GST | 18% | 13,068/- |
| Total |  | 85,668/- |

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| **Payment Terms** | **On Approval of Order** | **On Completion of deployment** |
| On completion | 50% | 50% |

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| **Approval** | **❑ Approve** | **❑ Reject** | | **❑ Defer** | **❑ On Hold** |
| Project Sponsor | | | Consulting Organization | | |

**Note: Use this template to request for any scope change or requirements change.**