Common Framework Scripts

PROJECT BACKGROUND

Idea: Common Framework Scripts to automate the deployment process for Talend Jobs common configuration in Database.

Problem Statement :
Currently we need to create different framework scripts for different environments which have details like nas path, job name and parameters, and then need to raise the deployment tickets for each individual environments to insert the details in DB.
The SLA for each tickets is around 1-3 business Days. and it requires manual check-in and validation of scripts as we move to higher environments.
It is impacting all the Jobs as framework scripts are key components for any deployments.
Manual Process:
• Need to create environment specific scripts.
• Manual Tickets for deployment– SLA 1-3 Days.
• Need to track the status of each ticket.
• Automated deployment can not be achieved for these scripts.

OTHER DETAILS

Idea Logged By: Himanshu S Srivastava
Project/Team Name: UHOne Transformation 2.0
Project Nature: Development
IT Leader: Srinivas Ramsagar
Business Segment: OGS
ADG:

ADG Leader:

Offshore approver: Prashant Srivastava

Onsite Approver: Chitra Gupta

SOLUTION TO IMPLEMENT

• Common framework scripts are dynamically written scripts that's have job specific details for all environments and would be executed based on Database name automatically.
• Once we move to higher environments the specific details only be inserted based on DB check inside the scripts using automated deployments.
• Reduced the time effort and Incidents tickets as deployment was automated using Jenkins.

BENEFITS

• No need to raise new INC tickets for each environment separately.
• Automated Deployment Via Jenkins
• Common Template which can be utilized for other Talend Jobs as well.

Financial Impact

Description	Before Improvement	After Improvement	Units	Comments
Average Ticket / Month	25	0	INC Tickets	After improvement No tickets will be needed as deployment would be done through Jenkins.
Average Ticket (Yearly)	300	0		
Average Effort / Annum	1950	0	Hrs.	**Before implementation** Script Creation and Validation for Dev : 3hr/ticket App Ops : 3.5hr/ticket **After implementation** Achieved through automated deployments via Jenkins.
Billing Rate: $77	$150150		Dollars	$77 per Hrs.
Total Cost Savings: 1950 Hrs.			Dollars	**$1,50,150.00**

Other Details

UTILIZATION DETAILS

The efforts saved from this tool can be easily utilized to work on other optimizations or in the project work

LEVERAGING OPPORTUNITIES

✓ This process can also be used for other Teams with requirement of Framework configuration in different database environments. This tool will surely reduce the manual efforts and will save time.

SIGN-OFF MAIL

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Outlook Item