

Batch Monitor

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Overview:

The Batch Application Monitor DNAapp is an online application that enables Financial Institutions to quickly and easily track and isolate batch application run-time performance, including trends and errors raised during the application runs. It is designed to both help monitor production batch processes, and also to help with testing new releases, system updates, hardware upgrades, and custom batch application to ensure overall DNA performance remains at a high level.

For example, a Financial Institution may load a new system update or release or hardware/database update, and is able to compare/contrast run times with the new release for a specific batch application vs. trends (say previous 30 times the application was run) to ensure the update will not cause issues. This provides an 'early warning system' to assess the system update and what batch applications may cause issues, and can be known very early on.

The DNAapp will also track logged errors making it easy for the User to determine which applications had errors for a given run cycle, or over a specified period. This is especially useful for custom batch applications to ensure they still work efficiently with all system upgrades.

Key Benefits:

The Batch Application Monitor DNAapp is especially useful for system updates and releases to see the effect on both existing and new batch applications.

Benefits include:

- Ability to quickly and easily track trends for batch applications, including average run times.
- Functionality to show errors for either a given batch application or a selected days' worth of batch applications.
- Fast assessment of the effect of a new release, system update, or hardware on performance available online, in real-time.

Processing:

To gain access to the Batch Application Monitor application, the User must first be given permissions for the existing Authorization item 'BATI -- Batch Inquiry'. The User should also review and set the appropriate values for the two new calculation variables for the Batch Application Monitor.

There are two new calculation variables:

• Batch Average RunTime Days. This variable value controls the calculation for the Average Run Time that displays in the Search Results grid. This value is the number of previous runs for that application that will be used to calculate the Average Run Time. For example, if the value was 30, the previous 30 instances of that run would be considered in the calculation to come up with an Average Run Time.

• Batch Date Period Limit. This variable value controls the acceptable date range in which a User may query for the batch application run times, and controls the initial dates presented in the Search Criteria section. It is recommended to keep this value to a smaller number (e.g. 90) as longer date periods will result in longer query times for the User.

Once these calculation variable values are defined, the User will proceed to use the application:

Navigation: Services>> Batch >>View>>Batch Application Monitor

CORE - Any	ywhere Financial ((TEST SYSTE	м)						
Load and M	lanage Files M	anage Queues	Copy Queues by Type	Run Queues V	ew Manag	e Tax and Insurance Fil	es IRS	System	Logout
fise	rv.								
Tickle	r 🎯 🎽 Batch Pr	ocessing Maintenar	nce C Batch Proces	sing Maintenance	0				
Batch	Application	Monitor							
Sear	ch Criteria								
0	By Application	Ову	Day C E	rrors Only	C Long R	untimes Only			
Ap	Application Name: Time Exceeds: Start Date: 04/18/2019 End Date: 04-18-2019 End Clear								
Sear	ch Results								
Арр	lication Name	Appl Description	on Start	Sto	р	Time Elapsed	Average	Run Time	ErrorsYN
Appli									
Арри	Appl Descrip	ntion	Account Nu	mher	Erro	r Activity Message		Error O	racle Message
	Appl Description Account Number Error Activity Message Error Oracle Message								
Clo	se								

Upon accessing the application, the User will have the ability to select from four options, as shown below. In all scenarios, the Application Name field references the actual Application Name (not description) of the DNA batch application. For example, the Checking Trial would be CK_TRIAL.

The Application Name is not case sensitive and accepts special search characters (%), although it is not necessary.

The four search options are:

- 1. By Application. This option allows the User to search for a selected batch application by name. The Start and End Dates create a date range that the Effective Date field of the DNA Que table must fall between.
- 2. By Day. This option allows a User to search for batch applications for a given day.
- 3. Errors Only. This option allows the User to search for batch applications that had errors. The Start and End Dates create a date range that the Effective Date field of the DNA Que table must fall between. Only runs with existing rows in QueApplError will be returned.
- 4. Long Runtimes Only. This option allows the User to search for batch applications that ran longer than the selected time value. The Start and End Dates create a date range that the Effective Date field of the DNA Que table must fall between. Only runs where the time elapsed (difference between the StartDateTime and StopDateTime in the DNA QueApplHist table) is greater than the Time Exceeds field will be returned.

Note: the Search Options utilize effective dates from when batch application qeuues were run, not the system date. On test systems it is often common for the system date to be ahead of the database effective date; for example, a test system may have an effective date of 03-31-2018 and a system date of 04-15-2018 on the actual "live" date of 04-15-2018.

In this example, if the User has run batch application queues on the actual system date of 04-15-2018 with the <u>effective date</u> of 03-31-2018, grid results would display batch application queue results from 04-15-2018. This will occur when dates are not "bumped" on the test system regularly.

In the example below, the User has chosen to search by selecting the *By Application* option, querying for the LN_TRIAL application in a selected date range.

RE - Anywhere Financial (TEST SYSTEM)									
stitution Business Tables	s System Tables G	L Printing Operations	Product and Pricing	Manage My Forms	System Logout				
Iserv.									
Tickler D Batch Pro	Tickler C Batch Processing Maintenance C Batch Processing Maintenance C Batch Application Monitor								
Search Criteria									
By Application Application Name: L Search Results	● By Application ▲ Application Name: LN_TRIAL Time Exceeds: Start Date: Start Date: D1-18-2019 Clear								
Application Name	Appl Description	Start	Stop	Time Flansed	Average Run Time	ErrorsYN			
LN_TRIAL	Loan Trial	04-18-2019 03:04:26	04-18-2019 03:04:12	4.77	4.77	N			
Application Error Det	tion	Assount Number	Erre	Activity Monoran	Error Or	ale Menerge			
Appl Description Account Number Error Activity Message Error Oracle Message									

In the example below, the User has chosen to search by selecting the *Errors Only* option, and also using a date range. This will display records for batch application queues that had errors:

titution Rusiness Tabl	es Svetem Tables G	Drinting Operation	Product and Dricin	n Manane My Forms	System	Logout		
ISERV.				g manage myronns	Jystem	Logout		
Tickler D Batch P	rocessing Maintenance 🛛	Batch Processing M	laintenance 💿					
Batch Application	Monitor							
Search Criteria								
C By Application	C By Day	Errors C	Only C Long	Runtimes Only				
Application Name:	Time	Exceeds:	Start Date: 01-18	-2019 ¢ 🧱 End Date:	04-18-2019	Search		
						Oldar		
Search Results								
Application Name Appl Description Start Stop Time Flapsed Average Run Time FromsYll								
Application Name	Appl Description	Start	Stop	Time Elapsed	Average	Run Time ErrorsYN		
Application Name TD_RENNT	Appl Description TD Renewal Notices	Start 04-18-2019 03:04:56	Stop 04-18-2019 03:04:56	Time Elapsed	Average	Run Time ErrorsYN		
Application Name TD_RENNT TD_NOTE	Appl Description TD Renewal Notices Time Deposit Renewal	Start 04-18-2019 03:04:56 04-18-2019 03:04:51	Stop 04-18-2019 03:04:56 04-18-2019 03:04:51	Time Elapsed 0 0	Average 0.01 0.00	Run Time ErrorsYN Y Y		
Application Name TD_RENNT TD_NOTE LN_CONFM	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters	Start 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:51	Stop 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:02	Time Elapsed 0 0 0.18	Average 0.01 0.00 0.18	Run Time ErrorsYN Y Y Y		
Application Name TD_RENNT TD_NOTE LN_CONFM LN_BLLS	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing	Start 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:51 04-18-2019 03:04:51 04-18-2019 03:04:46	Stop 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:02 04-18-2019 03:04:02	Time Elapsed 0 0 0.18 0	Average 0.01 0.00 0.18 0.00	Run Time ErrorsYN Y Y Y Y Y Y		
Application Name TD_RENNT TD_NOTE LN_CONFM LN_BILLS SDB_LATENT	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing Safe Deposit Late and	Start 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:51 04-18-2019 03:04:46 04-18-2019 03:04:44	Stop 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:51 04-18-2019 03:04:42 04-18-2019 03:04:46 04-18-2019 03:04:44	Time Elapsed 0 0 0.18 0 0	Average 0.01 0.00 0.18 0.00 0.00	Run Time ErrorsYN Y Y Y Y Y Y		
Application Name TD_RENNT TD_NOTE LN_CONFM LN_BILLS SOB_LATENT LN_YTDTL	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing Safe Deposit Late and Loan YTD Detail Statem	Start 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:51 04-18-2019 03:04:46 04-18-2019 03:04:41 04-18-2019 03:04:41	Stop 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:02 04-18-2019 03:04:46 04-18-2019 03:04:44 04-18-2019 03:04:41 04-18-2019 03:04:40	Time Elapsed 0 0.18 0 0.18 0.00 0.32	Average 0.01 0.00 0.18 0.00 0.00 0.00 0.32	Run Time ErrorsYN Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		
Application Name TD_RENNT TD_NOTE LN_CONFM LN_BILLS SOB_LATENT LN_YTDTL LN_YTDL	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing Safe Deposit Late and Loan YTD Detail Statem Loan YTD Dataerments (Start 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:51 04-18-2019 03:04:46 04-18-2019 03:04:41 04-18-2019 03:04:41 04-18-2019 03:04:43	Stop 04-18-2019 03.04:56 04-18-2019 03:04:51 04-18-2019 03:04:51 04-18-2019 03:04:40 04-18-2019 03:04:46 04-18-2019 03:04:41 04-18-2019 03:04:40 04-18-2019 03:04:40 04-18-2019 03:04:40 04-18-2019 03:04:40 04-18-2019 03:04:40	Time Elapsed 0 0 0.18 0 0.32 0.55	Average 0.01 0.00 0.18 0.00 0.00 0.00 0.32 0.55	Run Time ErrorsYN Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		
Application Name TD_RENNT TD_NOTE LI_CONFM LN_BLLS SOB_LATENT LN_YTDTL LI_YTDTL LI_YTDCL Application Error D	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing Safe Deposit Late and Loan YTD Detail Statements (toan YTD Statements (tails	Start 04-18-2019 03.04:56 04-18-2019 03.04:51 04-18-2019 03.04:51 04-18-2019 03.04:45 04-18-2019 03.04:41 04-18-2019 03.04:41 04-18-2019 03.04:36	Stop 04-18-2019 03.04.56 04-18-2019 03.04.51 04-18-2019 03.04.02 04-18-2019 03.04.41 04-18-2019 03.04.41 04-18-2019 03.04.40 04-18-2019 03.04.09	Time Elapsed 0 0 0.18 0 0 0 0 0 0.32 0.55	Average 0.01 0.00 0.18 0.00 0.00 0.32 0.55	Run Time ErrorsYN Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		
Application Name TD_REINIT TD_NOTE LV_CONFM LV_BILLS SDB_LATENT LN_YTDTL LN_YTDCL Application Error Dr Application Error Dr	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing Safe Deposit Late and Loan YTD Detail Statem Loan YTD Statements (etails iption	Start 04-18-2019 03.04.56 04-18-2019 03.04.51 04-18-2019 03.04.51 04-18-2019 03.04.51 04-18-2019 03.04.41 04-18-2019 03.04.41 04-18-2019 03.04.36 Account Number	Stop 04-18-2019 03.04:56 04-18-2019 03.04:51 04-18-2019 03.04:02 04-18-2019 03.04:46 04-18-2019 03.04:40 04-18-2019 03.04:00 04-18-2019 03.04:00 04-18-2019 03.04:00	Time Elapsed 0 0 0.18 0 0.32 0.55	Average 0.01 0.00 0.18 0.00 0.00 0.00 0.32 0.55	Run Time ErrorsYN Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Fror Oracle Message Y		
Application Name TD_RENNT TD_IGTE LN_CONFM LN_CONFM LN_BLLS SDB_LATENT LN_YTDTL LN_YTDTL LN_YTDTL CAPPIO Detail Stateme	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing Safe Deposit Late and Loan YTD Detail Statem Loan YTD Statements (etails iption nts 6710	Start 04-18-2019 03.04.56 04-18-2019 03.04.51 04-18-2019 03.04.51 04-18-2019 03.04.51 04-18-2019 03.04.45 04-18-2019 03.04.41 04-18-2019 03.04.41 04-18-2019 03.04.30 Account Number 228905	Stop 04-18-2019 03.04:56 04-18-2019 03.04:51 04-18-2019 03.04:02 04-18-2019 03.04:46 04-18-2019 03.04:40 04-18-2019 03.04:00 04-18-2019 03.04:00 04-18-2019 03.04:00 04-18-2019 03.04:00 04-18-2019 03.04:00 04-18-2019 03.04:00	Time Elapsed 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Average 0.01 0.00 0.18 0.00 0.32 0.55	Run Time ErrorsYN Y Y Y Y Y Y Y Error Oracle Message		
Application Name TD_RENNT TD_NOTE LN_CONFM LN_BILLS SOB_LATENT LN_YTDTL LN_YTDTL LN_YTDCL Application Error DM Appl Descr Loan YTD Detail Stateme	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing Safe Deposit Late and Loan YTD Detail Statem Loan YTD Statements (etails ption ints 6710	Start 04-18-2019 03.04:56 04-18-2019 03.04:51 04-18-2019 03.04:51 04-18-2019 03.04:41 04-18-2019 03.04:43 04-18-2019 03.04:41 04-18-2019 03.04:41 04-18-2019 03.04:43 04-18-2019 03.04:41 04-18-2019 03.04:43 04-18-2019 03.04:41 04-18-2019 03.04:42 04-18-2019 03.04:43 04-18-2019 03.04:44 04-18-2019 03.04:45	Stop 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:01 04-18-2019 03:04:02 04-18-2019 03:04:02 04-18-2019 03:04:04 04-18-2019 03:04:00 04-18-2019 03:04:09 04-18-2019 03:04:09 04-18-2019 03:04:09 04-18-2019 03:04:09	Time Elapsed 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Average 0.01 0.00 0.18 0.00 0.32 0.55	Run Time ErrorsYN Y Y Y Y Y Y Y Error Oracle Message		
Application Name TD_RENNT TD_NOTE LN_CONFM LN_BILLS SOB_LATENT LN_YTDTL LN_YTDTL LN_YTDTL Appl Descr Loan YTD Detail Stateme	Appl Description TD Renewal Notices Time Deposit Renewal Loan confirmation letters Loan Billing Safe Deposit Late and Loan YTD Detail Statem etails iption ints 6710	Start 04-18-2019 03.04:56 04-18-2019 03.04:51 04-18-2019 03.04:51 04-18-2019 03.04:41 04-18-2019 03.04:41 04-18-2019 03.04:41 04-18-2019 03.04:41 04-18-2019 03.04:38 Account Number 026905	Stop 04-18-2019 03:04:56 04-18-2019 03:04:51 04-18-2019 03:04:02 04-18-2019 03:04:04 04-18-2019 03:04:41 04-18-2019 03:04:00 04-18-2019 03:04:00 04-18-2019 03:04:00 04-18-2019 03:04:09 04-18-2019 03:04:09 04-18-2019 03:04:09	Time Elapsed 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Average 0.01 0.00 0.18 0.00 0.32 0.55	Run Time ErrorsYN Y Y Y Y Y Y Y Error Oracle Message		

Batch Application Monitor 05162019

The User may further find information about a record in the Search Results grid if it had an error (highlighted in RED) and this information will display in the Application Error Details when the record in the grid is selected.

In the example below, the User has selected the *Long Runtimes Only* option for a range of dates, which will select all batch applications that were run within the selected date range and had a run time greater than 2:

fiserv.								
Tickler 😳 🛛 Batch F	Processing Maintenance 🤇	Batch Processing Ma	aintenance 🤅	3				
Batch Application	Monitor							
Search Criteria								
C By Application	C By Day	C Errors O	nly	C Long Ri	untimes Only			
Application Name:	Tim	e Exceeds:	2 Start D	ate: 01-18-20	119 🗢 🎹 End Date:	04-18-20	119 🜩 🧰	Search
Search Results								
Application Name	Appl Description	Start	Sto	p	Time Elapsed	Avera	ge Run Time	ErrorsYN
MG_TRIAL	Mortgage Trial	04-18-2019 03:04:41	04-18-2019	03:04:32	3.85	3.85		N
LN_TRIAL	Loan Trial	04-18-2019 03:04:26	04-18-2019	03:04:12	4.77	4.77		N
LN_DELQ	Delinquent Loans	04-18-2019 02:04:01	04-18-2019	03:04:36	2.58	0.87		N
CK_TRIAL	Checking Trial	02-28-2019 12:02:51			70037.20	21.70		Y
CK_TRIAL	Checking Trial	02-28-2019 12:02:28	02-28-2019	12:02:10	21.70	21.70		Y
Application Error Dataile								
Appl Description Account Number Error Activity Message Error Oracle Message								
Appl Description Account number Error Activity Message Error Oracle Message								

Additionally, in all cases, the row results will display in italics when the Time Elapsed value for that row's batch application results is greater than the Average Run Time for that batch application. This is designed so the User may easily determine if the batch application being reviewed is running longer than previous run trends.

Application Messages:

When no data is found, the following message will be displayed:



Additional application messages include:

If the User enters an End Date value that is less than the Start Date value, the application message "*Start Date cannot Exceed End Date, please correct and continue with your search*" will display.

If the User enters a value in the Start Date or End Date fields that is less than the minimum allowed date (as defined by the *Batch Date Period Limit* calculation variable value), the application message "*The value entered must be between MM-DD-YYYY and MM-DD-YYYY*" is displayed, where the date values in the application message are defined by the current date minus the value of the calculation variable.

Parameters:

N/A

Variables:

The Batch Application Monitor DNAapp utilizes new Calculation Variables that the Financial Institution may assign desired values to according to their system settings.

Calculation Categories:

A calculation category is required to associate the variables to the application. The following calculation category is used for that purpose.

Calculation Category Code	Description
BTMN	Batch Application Monitor

Calculation Types:

A calculation type is required to associate the variables to the application. The following calculation type is used for that purpose.

Calculation Category Code	Calculation Type Code	Description (how used)	MjMiYN
BTMN	BTMN	Batch Application Monitor	N

Calculation Variables:

The following calculation variables are required for the application. They are populated with the 'BTMN' calculation type.

Variable	Code	Description (how used)	Data Type	Default
Batch Average RunTime Days	BARD	This value will be used to calculate the runtime average for a specific batch application. The reference exists in the function OSIEXTN. FUNC_AVGBATCHRUNTIME. The value will be subtracted from the input Start Date parameter. The average will then be calculated based on the runs between the Start Date parameter minus the calculation variable value and the End Date parameter.	NUM	30
Batch Date Period Limit	BDPL	This value is used to limit the calendar start and end date search fields to the current date minus the calculation variable value. This would limit a date block within this restriction.	NUM	90

Tables:

N/A

Scheduling and re-run information (for batch applications):

N/A

Reports:

N/A

Screens:

Navigation:

Navigation: Services >> Batch >> View >> Batch Application Monitor

Screen Appearance (Batch Application Monitor):

CORE - Anywhere Financial (TEST SYSTEM)										
tution Business Table	es System Tables	GL Printing Operation	s Product	and Pricing	Manage	My Forms	System	Logout		
iserv.										
Tickler Batch Processing Maintenance Batch Processing Maintenance										
Batch Application	Monitor									
Search Criteria										
O Ru Application	0.000			C Lores	untin a Only					
O by Application		ay 🙁 Enfors C	miy	C Long R	unumes Only				Queent	
Application Name:		Time Exceeds:	Start D	ate: 01-18-2	019 🔷 🏢	End Date:	04-18-2019	+	Search	_
		,							Clear	
Search Results										
Application Name	Appl Description	Start	Stor	p	Time Elap:	sed	Average	Run Time	ErrorsYN	-
TD_RENNT	TD Renewal Notices	04-18-2019 03:04:56	04-18-2019	03:04:56	0		0.01		Y	
TD_NOTE	Time Deposit Renew	/al 04-18-2019 03:04:51	04-18-2019	03:04:51	0		0.00		Y	
LN_CONFM	Loan confirmation le	tters 04-18-2019 03:04:51	04-18-2019	03:04:02	0.18		0.18		Y	
LN_BILLS	Loan Billing	04-18-2019 03:04:46	04-18-2019	03:04:46	0		0.00		Y	
SDB_LATENT	Safe Deposit Late a	nd 04-18-2019 03:04:41	04-18-2019	03:04:41	0		0.00		Y	
LN_YTDTL	Loan YTD Detail Sta	tem 04-18-2019 03:04:41	04-18-2019	03:04:00	0.32		0.32		Y	
LN_YTDCL	Loan YTD Statemen	ts (04-18-2019 03:04:36	04-18-2019	03:04:09	0.55		0.55		Y	-
Application Error De	tails									
Appl Description		Account Number	Account Number		Error Activity Message			Error Oracle Message		
Loan YTD Detail Statements 6710		671026905	26905 No Recip		cipient available for notice printing due					

Field Listing:

Field	Description
	Search Criteria
By Application <radio button=""></radio>	The By Application option will be the default search selected. When selected, the fields Application Name, Start Date and End Date will be enabled. The field Time Exceeds will be disabled. This option will return runs for the application within the date range specified with the Start Date and End Date. If a value is entered in the Application field, then only runs for that specific application within the date range specified will be returned. If the Application field is blank, then any application can be returned as long as the other criteria are met.
By Day <radio button></radio 	When selected, the fields Application Name, End Date, and Time Exceeds will be disabled. The Start Date field is re-labeled to Select Day and is enabled for the user to enter the date they want to review. This option will return runs for that specific day based on the value of the Specific Day field.
Errors Only <radio button=""></radio>	The Errors Only option will only return runs that have errors. When selected, the Time Exceeds field will be disabled. The Application Name, Start Date and End Date fields are enabled. If a value is entered in the Application field, then only runs for that specific application within the date range specified will be returned. If the Application field is blank, then any application can be returned as long as the other criteria are met.
Long Runtimes Only <radio button></radio 	The Long Runtimes Only option only runs where the time elapsed (difference between the StartDateTime and StopDateTime in the DNA QueApplHist table) is greater than the Time Exceeds field will be returned.When selected, all fields will be enabled.
Application Name <text box=""></text>	This is the application name. It is not case sensitive and accepts search characters (%).
	An example of the Application name would be CK_Trial for the Checking Trial batch application.
Time Exceeds <text box=""></text>	This is the length of time (in minutes) that a batch application has exceeded running.
Start Date <calendar></calendar>	Defaults to system date. This is the start date of the date period range which the value of the Effective Date field for the Que for the batch application(s) must fall between. The value for the calculation variable Batch Date Period Limit (BDPL) will limit the number of days back in time the User can select.
End Date <calendar></calendar>	Defaults to system date. This is the end date of the date period range which the value of the Effective Date field for the Que for the batch application(s) must fall between. The value for the calculation variable Batch Date Period Limit (BDPL) will limit the number of days back in time the User can select.
Search <button></button>	Clicking the search button runs the query associated with the active radio button and search variables.
Clear <button></button>	Clicking the clear button resets the page to the initial settings.
	Search Results (Panel)

Application Name	Batch Application Name
<gridview row=""></gridview>	Example: CK TRIAL
Application	Batch Application Description
Description	
<pre><gridview row=""></gridview></pre>	Example: Checking Trial
Start <gridview< td=""><td>The timestamp when the batch application started.</td></gridview<>	The timestamp when the batch application started.
row>	Note: this is the actual system date when the application started not
	the effective date. On test systems it is often common for the system
	date to be ahead of the database effective date; for example, a test
	system may have an effective date of 03-31-2018 and a system date of
	04-15-2018. In this case, if the User has run batch application queues
	on the actual system date of 04-15-2018 with the effective date of 03-
	when dates are not "bumped" on the test system regularly
Stop <gridview< td=""><td>The timestamp when the batch application stopped.</td></gridview<>	The timestamp when the batch application stopped.
row>	Note: this is the actual system date when the application standard not
	the effective date. On test systems it is often common for the system
	date to be ahead of the database effective date; for example, a test
	system may have an effective date of 03-31-2018 and a system date of
	04-15-2018. In this case, if the User has run batch application queues
	on the actual system date of 04-15-2018 with the effective date of 03- 31-2018, this row would display values from 04-15-2018. This will occur
	when dates are not "bumped" on the test system regularly.
Time Elapsed	This is a calculated field that displays how long the batch application
<pre><gridview row=""></gridview></pre>	ran.
Average Run	This is a calculated field that looks at the last n times the batch
I Ime <gridview< td=""><td>application was run (n is defined by now many times the batch</td></gridview<>	application was run (n is defined by now many times the batch
1000-	the Batch Average RunTime Days calculation variable), as long as that
	calculation variable value does not fall outside of the Batch Date Period
	Limit date.
	Example: if the Start Date is 03-18-2018 and the Batch Average
	RunTime Days value is 30, the program will look at the last 30 times the
	selected batch application was run to calculate the Average Run Time
	value. If that value was 90 (so 90 days back from 03-18-2018), the
	program will look at the most recent 30 (counting back from 03-18-
	2018) to arrive at the calculated Average Run Time.
ErrorsYN	Indicates if any errors exist.
	Y – Errors exist
	N – No Errors exist.
	Application Error Details

Appl Description	The Batch Application Description
<gridview row=""></gridview>	
Account Number	Account Number (if applicable)
<pre><gridview row=""></gridview></pre>	
Error Activity	The Activity Error Message
Message	
<pre><gridview row=""></gridview></pre>	
Error Oracle	The Oracle Error Message
Message	
<gridview row=""></gridview>	
	Common Screen Area
Close <button></button>	When selected, the screen is closed.

Additional Requirements:

• DNA 4.2.3 or higher.

Configuration Checklist:

	Test	Production
Item	Environment	Environment
Ensure the User has been granted the 'BATI Batch		
Inquiry' Authorization Item to access the new Batch		
Application Monitor application.		
Ensure the Batch Application Monitor calculation variables		
values are defined.		

Revisions:

Date	App Version #	Change
05/2019	1.0.0.1	Application updated with change so that batch applications that have been stopped by the User and thus have no Stop Time value do not raise an unhandled exception when querying the data.
04/2018	1.0.0.0	Application Created