



Leveraging Teamcenter-MRO Investments eQube: a reporting & analytics solution

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What is eQube?



- ▶ eQube forms “visibility infrastructure” for Teamcenter / PLM
 - ▶ Reporting
 - ▶ Ad-hoc reporting
 - ▶ BI / Analytics
 - ▶ Decision support at all levels
- ▶ eQube allows for
 - ▶ Data to be collated from one or more sources (i.e., enterprise applications and / or legacy systems)



- ▶ Signed a major agreement at the end of Feb 2006
- ▶ Allows UGS to market and sell eQube worldwide
 - ▶ eQube = Teamcenter Reporting and Analytics
 - ▶ A standard Teamcenter offering





- ▶ Data exists in MRO systems, however...
 - ▶ Its not readily available for analysis
 - ▶ Its not easy to view the data from various perspectives for decision support
 - ▶ Once the analysis (reports, views) are available, its not easy to modify or enhance them on the live system
 - ▶ Additionally, the data may be scattered across multiple systems – legacy systems and it needs to be collated for “single view of data” for decision support



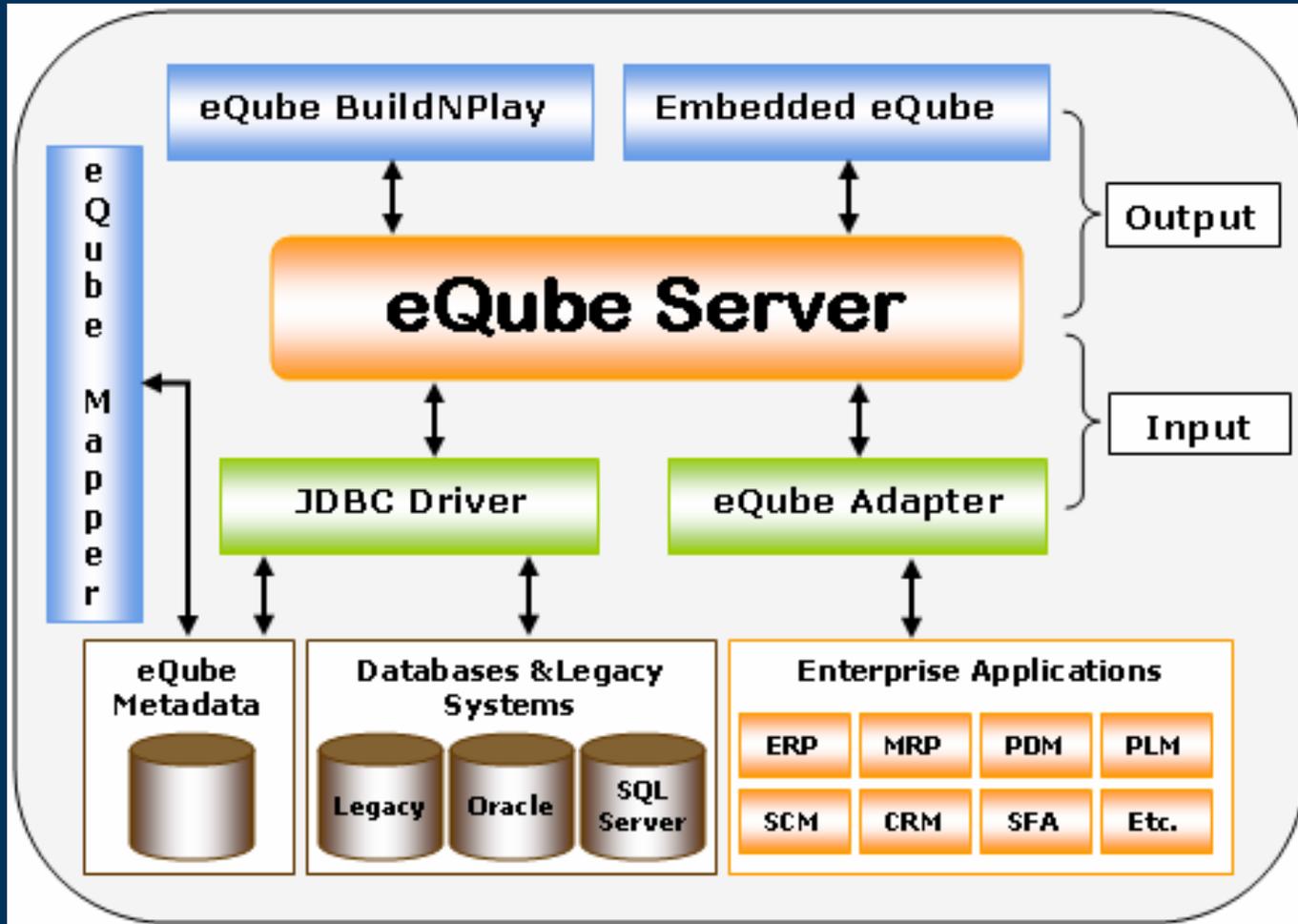
Characteristics of a Solution...



- ▶ Should be deployed over the web for ease of use, management, speed, and reduced cost
- ▶ Should leverage significant investments made in customizing the core enterprise applications
- ▶ Should be able to aggregate data from multiple system for analysis
- ▶ Should be easy to maintain, upgrade, and extend on an on-going basis
- ▶ **Dramatically Lower Total Cost Of Ownership**



eQube Architecture





eQube - Key Features



- ▶ Its ability to be a “bolt-on” application to TC MRO
- ▶ Built in pure Java with a flexible and scalable architecture
- ▶ “Zero footprint” client
- ▶ Ease of configuration and deployment in Acceptance environment and then in the production environment



- ▶ Strong capabilities to manage the load on the production servers:
 - ▶ Role based access privilege model
 - ▶ Powerful integrated Scheduler
 - ▶ Ability to save “Snapshots” of data
 - ▶ Ability to fetch data once and then “slice” it into various “snapshots” in memory
- ▶ Ability to create reports in an ad-hoc manner
- ▶ Ability to “slice and dice” a “cube” on the fly for better analysis
- ▶ In-built ability to create Graphs for Key performance indicators tracking



- ▶ **eQube / Teamcenter Reporting & Analytics with TC MRO.....**



Launching Teamcenter Reporting and Analytics....



About

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Report Wizard

Please select the data and factors for data that you would like to analyse:

Available Factors:

- Failure By Part No
- Failure By Part No. Updated
- Failure By Tail No
- Failure_Reliability by Serial No.
- Inventory By Part Number
- Inventory By Part Number Numeric
- Inventory By Part Type.
- ISSUEBYTAILNO
- Part Type for Inventory
- Part type from part type
- Site for Inventory
- Site from Site
- Site Part Issue
- Site Tail No Issue.
- Stock Usage
- Time.

Show Data Elements

Would you like to define your own data using any of the above?

Step 1 of 6

Next





Teamcenter Reporting and Analytics Demo Sample...

- ▶ Reports:
 - ▶ Inventory by Part Type
 - ▶ Issue by Part
 - ▶ Issue by Tail Number
 - ▶ Reliability and failure cube
 - ▶ Reliability and failure graph
 - ▶ Failures by tail number
 - ▶ Life Utilization
 - ▶ Obsolete Part Inventory
 - ▶ Open Backorders
- ▶ Scheduler
- ▶ Managing the load on production servers



Retrieving a Saved Definition



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Cube category

InAir

Cube creator name (Exact only)

Cube creation date

On



Between From



To



Select





Retrieving a Saved Definition cont...



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Personal Definitions

- 3D Pie
- Failure and Reliability(Snapshot)
- Inventory by Part Type - CHARLOTTETOWN All Types(Snapshot)**
- Inventory by part type - Template
- Issue by Part - Date Range(Snapshot)
- Issue by Tail Number(Snapshot)
- Reliability and failure cube
- Reliability cube(Snapshot)
- Reliability for graph(Snapshot)
- Reliability graph for SPA(Snapshot)

Retrieve cube using snapshot

Show Definition

Retrieve

Create As

Get As XML

Get As EXCEL

Set Permission

Edit Header





Report: Inventory By Part Type

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Inventory by Part Type - CHARLOTTETOWN All Types

Report created on : 04-11-2005 12:50:30 PM

Selected filters: **Inventory By Part Type-** (Site = CHARLOTTETOWN)

Inventory By Part Type	Condition ▲▼	Location ▲▼	Location Status ▲▼	Quantity ▲▼	Unit ▲▼
<input type="checkbox"/> All					
<input type="checkbox"/> CHARLOTTETOWN					
<input type="checkbox"/> CONSUMABLE					
<input type="checkbox"/> ROTABLE					
<input type="checkbox"/> SERIALIZED					



Inventory by Part Type - CHARLOTTETOWN All Types

Report created on : 04-11-2005 12:50:30 PM

Selected filters: **Inventory By Part Type**- (Site = CHARLOTTETOWN)

Inventory By Part Type	Condition ▲▼	Location ▲▼	Location Status ▲▼	Quantity ▲▼	Unit ▲▼
<input type="checkbox"/> All					
<input type="checkbox"/> CHARLOTTETOWN					
<input checked="" type="checkbox"/> CONSUMABLE					
<input type="checkbox"/> ROTABLE					
<input checked="" type="checkbox"/> 063-1007-00 (TRANSCIVER, HF) - (R)					
<input checked="" type="checkbox"/> 105-15103.12 (WEIGHT) - (R)					
<input checked="" type="checkbox"/> 105-23151 (SPT.) - (R)					
<input checked="" type="checkbox"/> 105-80605 (COVER ASSY.) - (R)					
<input type="checkbox"/> 105-93910 (ELEMENT, SENSING) - (R)					
N/A1	S	01H-04A	STOCK	1	EA
N/A2	S	01-H-	STOCK	1	EA
<input checked="" type="checkbox"/> 4012-1003 (VOLTMETER.) - (R)					
<input checked="" type="checkbox"/> 6856983 (VALVE.) - (R)					
<input checked="" type="checkbox"/> 6920 (VALVE, SOLENOID) - (R)					
<input checked="" type="checkbox"/> 7264-9156 (RELAY, 200 AMP) - (R)					
<input checked="" type="checkbox"/> D107318 (FUEL PUMP) - (R)					
<input checked="" type="checkbox"/> SERIALIZED					

10 



Exporting Report as Excel, PDF, Email ...

A	B	C	D	E	F	G	H
Report created on : 04-11-2005 12:50:30 PM							
Selected filters : Inventory By Part Type-(Site = CHARLOTTETOWN)							
Inventory By Part Type							
All	Condition	Location	Location Status	Quantity	Unit		
CHARLOTTETOWN							
CONSUMABLE							
ROTABLE							
063-1007-00 (TRANSCEIVER, HF) - (R)							
105-15103.12 (WEIGHT) - (R)							
105-23151 (SPT.) - (R)							
105-80605 (COVER ASSY.) - (R)							
105-93910 (ELEMENT, SENSING) - (R)							
N/A1	S	01H-04A	STOCK	1	EA		
N/A2	S	01-H-	STOCK	1	EA		
4012-1003 (VOLTMETER.) - (R)							
6856983 (VALVE.) - (R)							
6920 (VALVE, SOLENOID) - (R)							
7264-9156 (RELAY, 200 AMP) - (R)							
D107318 (FUEL PUMP) - (R)							
SERIALIZED							



Report: Issue by Part

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Issue by Part - Date Range

Report created on : 04-11-2005 12:57:09 PM

Selected filters: **Site Part Issue-** (Date Issued Between 2001-04-01 And 2001-05-31 Both Inclusive)

Site Part Issue	Issue Job # ▲▼	Issue Qty ▲▼	Document No ▲▼	Qty ▲▼	Unit Price ▲▼
<input type="checkbox"/> All					
<input type="checkbox"/> HAMILTON					
<input type="checkbox"/> 15330 (DISCHARGER, ELECTROSTATIC) - (X) CONSUMABLE					
N/A	190401	1 EA		1.00	42.53
N/A	080101	1 EA		1.00	42.53
N/A	080501	1 EA		1.00	42.53
N/A	180401	1 EA		1.00	42.53
<input type="checkbox"/> 15340 (DISCHARGER, ELECTROSTATIC) - (X) CONSUMABLE					
N/A	180401	1 EA		1.00	36.96
<input type="checkbox"/> 206-040-128-001 (FILTER, FLUID) - (X) CONSUMABLE					
N/A	180401	1 EA		1.00	66.02
<input type="checkbox"/> 3011367 (GASKET.) - (X) CONSUMABLE					
N/A	190401	1 EA		1.00	2.68
<input type="checkbox"/> 31-3172-11 (LAMP, FLASHTUBE) - (X) CONSUMABLE					
N/A	180401	1 EA		1.00	840.05
<input type="checkbox"/> 3113106-01 (VALVE,CHECK.) - (X) CONSUMABLE					
N/A	180401	2 EA		2.00	396.62
<input type="checkbox"/> AS3084-03 (PACKING, PREFORMED) - (X) CONSUMABLE					
N/A	180401	1 EA		1.00	0.53
<input type="checkbox"/> MS28774-117 (RETAINER,PACKING BACKUP.) - (X) CONSUMABLE					
N/A	080501	1 EA		1.00	0.42
<input type="checkbox"/> MS28775-011 (PACKING,PREFORMED,HYD.,+275°F.) - (X) CONSUMABLE					
N/A	080501	1 EA		1.00	0.18
<input type="checkbox"/> MS28775-117 (PACKING,PREFORMED,HYD.,+275°F.) - (X) CONSUMABLE					



Report: Issue by Tail Number

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Issue by Tail Number

Report created on : 04-11-2005 12:53:44 PM

Tail No	Date Issued ▲▼	Part Description ▲▼	Document No ▲▼	Issue Job # ▲▼	Issue Qty ▲▼	T
<input type="checkbox"/> All						
CHARLOTTETOWN						
EDMONTON						
HAMILTON						
MARSHALYN						
MONCTON						
MONTREAL						
<input type="checkbox"/> OTTAWA						
04-2875LM	12-03-2004	101-00850 (FUEL QTY, DIGITAL T/S) - (E) TOOLS AND EQUIPMENT		WOOW2004000458	1 EA	
0568	06-25-2004	50-380026-1 (THERMOMETER.) - (R) ROTABLE		WOOW2004000015	1 EA	
0568	06-09-2004	184F08-1 (TIRE) - (S) SERIALIZED		LMCHILWO3	1 EA	
0568	12-10-2004	028-700 (TIRE, MAIN NOSE WHEEL) - (S) SERIALIZED		LMWORQDI1	1 EA	
0568	06-28-2004	KAJ8887 (KAJ8887) - (S) SERIALIZED		WOOW2004000108	1 EA	
GARYT	11-12-2004	23032-018 (STARTER, GENERATOR) - (R) ROTABLE		WOOW2004000007	1 EA	
GARYT	11-16-2004	KAJ123 (KAJ123) - (S) SERIALIZED		WOOW2004000007	1 EA	
GARYT	11-16-2004	23032-018 (STARTER, GENERATOR) - (R) ROTABLE		WOOW2004000344	1 EA	
INT154	08-23-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000251	1 EA	
INT154	09-09-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000317	1 EA	
INT154	09-10-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000320	1 EA	
INT154	09-11-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000322	1 EA	
INT154	08-12-2004	FFM154S (FILTER, FUEL) - (S) SERIALIZED		WOOW2004000245	1 EA	
INT154	09-07-2004	FFM154 (FILTER, FUEL) - (X) CONSUMABLE		WOOW2004000301	1 EA	
INT154	09-15-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000324	1 EA	
INT154	09-11-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000323	1 EA	
INT154	09-10-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000321	1 EA	
INT154	09-09-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000318	1 EA	
INT154	09-08-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000315	1 EA	
INT154	09-07-2004	JEM154 (ENGINE) - (R) ROTABLE		WOOW2004000302	1 EA	
INT154	09-07-2004	STM154 (STARTER GENERATOR) - (R) ROTABLE		WOOW2004000304	1 EA	



Reliability and Failure Cube



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Change View Level

Change Aggregation

Data Analysis

Restrict Values For

Reliability and failure cube

Report created on : 04-13-2006 11:10:02 PM

Time	Fail Date ▲▼	Failure Code ▲▼	LC ▲▼	Part Number ▲▼	Reliability ▲▼	Serial Number ▲▼	Failure percentage ▲▼
<input type="checkbox"/> All							
<input type="checkbox"/> F-14D							
<input type="checkbox"/> 290199							
WRA (1733)	12-10-2003	95	Hours	13225798-01	0.19	66-9234H-3	81.00
<input checked="" type="checkbox"/> WRA				13225798-01		66-9234H-1	
<input type="checkbox"/> WRA				13225798-01		66-9234H-2	
<input type="checkbox"/> SRA							
28.3	02-07-1996	76	Hours	NAS1304-12	1.00	88-1256F-321	0.30
53	03-11-1996	76	Hours	NAS1304-12	0.99	88-1256F-322	0.80
228.3	10-31-1996	76	Hours	NAS1304-12	0.93	88-1256F-323	7.20
342.2	04-01-1997	76	Hours	NAS1304-12	0.87	88-1256F-324	13.20
391.6	06-06-1997	76	Hours	NAS1304-12	0.84	88-1256F-325	16.00
<input type="checkbox"/> WRA				13225798-01		66-9234H-3	
<input type="checkbox"/> SRA							
491.5	10-17-1997	76	Hours	NAS1304-24	0.78	88-1256F-326	22.00
528.7	12-05-1997	76	Hours	NAS1304-24	0.76	88-1256F-327	24.30
545.3	12-28-1997	76	Hours	NAS1304-24	0.75	88-1256F-328	25.30
<input type="checkbox"/> 341289							
WRA (1277)	08-02-1997	88	Hours	13225798-01	0.34	66-9234H-111	66.00
WRA (1579)	12-15-1999	90	Hours	13225798-01	0.22	66-9234H-999	78.00
<input checked="" type="checkbox"/> WRA				14889100-01		66-9234H-5	
<input type="checkbox"/> F/A-18							
<input type="checkbox"/> 244456							
<input type="checkbox"/> WRA				13206140-19		66-9234H-8	
<input type="checkbox"/> SRA							
28.3	02-07-1996	56	Hours	NAC1304-28	1.00	88-1256F-421	0.30
53	03-11-1996	56	Hours	NAC1304-28	0.99	88-1256F-422	0.80
228.3	10-31-1996	56	Hours	NAC1304-28	0.93	88-1256F-423	7.20
342.2	04-01-1997	56	Hours	NAC1304-28	0.87	88-1256F-424	13.20
391.6	06-06-1997	56	Hours	NAC1304-28	0.84	88-1256F-425	16.00



Reliability and Failure Graph



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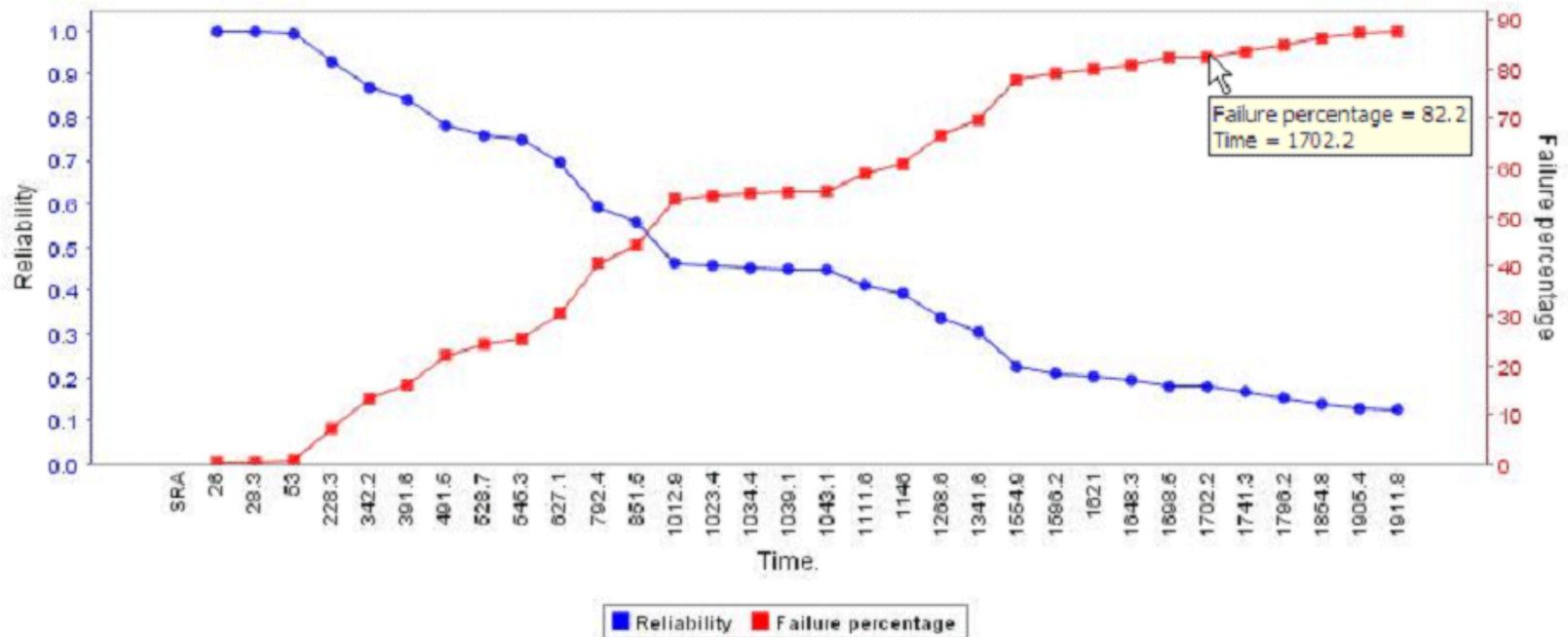
[E-Mail This Graph](#)

Time.

SRA

Reliability and failure graph

Report created on : 04-22-2005 11:12:30 AM



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Failures by Tail Number



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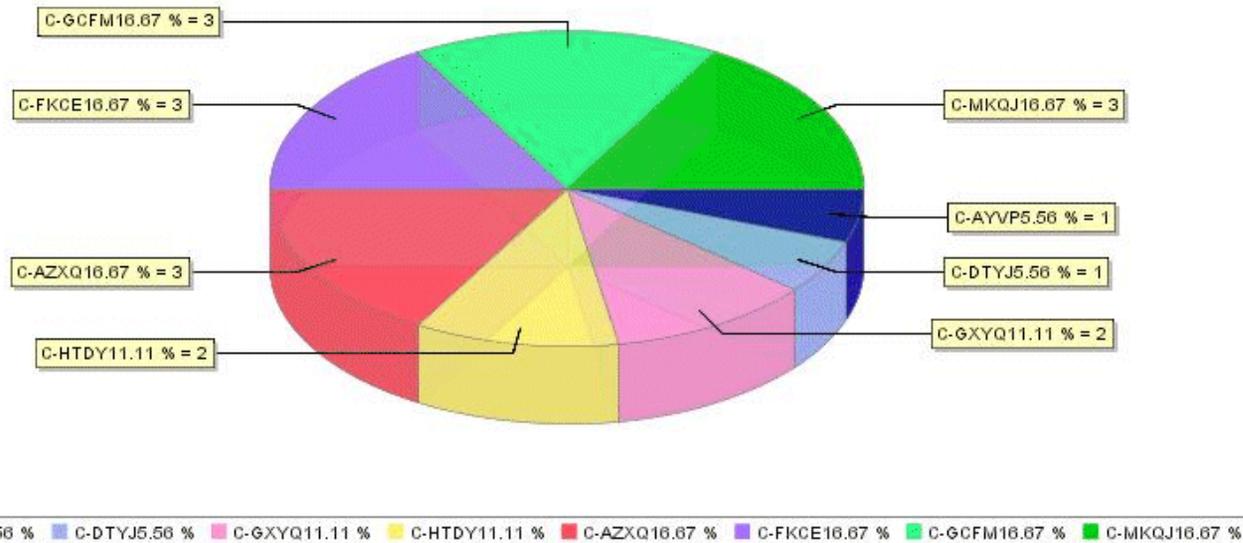
[E-Mail This Graph](#)

Failure By Tail No

TailNo

Failure by tail number
LC Value

Report created on : 04-13-2006 11:18:04 PM



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Life Utilization

Life Utilization for life limited parts				
Report Created on: 05-05-2006 10:35 AM				
Part	Serial#	Hours	Cycles	Landings
All				
LXC0926	LXC0926	68	56	17
04/09/2005		20	17	5
04/18/2005		14	12	2
04/27/2005		12	9	2
05/03/2005		6	4	3
04/23/2005		16	14	5
PZ1001A	1A725	48	39	
04/18/2005		14	12	
04/27/2005		12	9	
05/03/2005		6	4	
04/23/2005		16	14	
QPZ11296B	2799635	16	14	
04/23/2005		16	14	
MA9907701B	334635	16	14	
04/23/2005		16	14	
HKD9075G	AX33946184			12
04/18/2005				5
04/27/2005				2
05/03/2005				2
04/23/2005				3
CBY93974D	9546326548	48	39	
04/18/2005		14	12	
04/27/2005		12	9	
05/03/2005		6	4	
04/23/2005		16	14	
QPZ11296B	3499635	22	18	
05/03/2005		6	4	
04/23/2005		16	14	



Obsolete Part Inventory

Obsolete Part Inventory				
Report Created on: 05-03-2006 12:33 PM				
	Unit	Quantity	Price	Value
All				
Inventory001				164036.90
Warehouse-A				98344.90
Bay-001				42180.00
MA7095-A	ea	12.0	795.00	9540.00
ADF097-D	ea	5.0	5597.00	27985.00
HD9840S	ea	19.0	245.00	4655.00
Bay-002				35991.00
SB95	ea	123.0	127.00	15621.00
HSD9AZ75	ea	6.0	3395.00	20370.00
Bay-003A				11625.00
J39395H	Ltr	77.5	150.00	11625.00
Bay-003B				8548.90
HD9840S	ea	19.0	345.00	6555.00
MS75x109-HD	Ft	157.0	12.70	1993.90
Warehouse-B				65692.00
Store-A1				6585.00
OG095-A	ea	75.0	35.00	2625.00
LP97-D	Ltr	55.0	72.00	3960.00
Store-A2				10182.00
SB95	ea	19.0	135.00	2565.00
HSD9AZ75	ea	3.0	2539.00	7617.00
Store-C				34875.00
AJ391396K	Ltr	77.5	450.00	34875.00
Store-D				14050.00
HD9840S	ea	23.0	245.00	5635.00
MS75x109-HD	Ft	255.0	33.00	8415.00



Open Back Orders

Open Back Orders								
Report Created on: 04-13-2006 8:43 AM								
Back Order#	Date	Type	Priority	Part#	Quantity	Unit	Needed by	Requested by
BO00236	3/17/2006	Stock	3	AD9087	37.00	Each	5/10/2006	Bob
BO00239	3/17/2006	Stock	2	DF709	14.00	Each	3/30/2006	Jim
BO00247	3/19/2006	Request	2	SE4746	5.00	Each	4/10/2006	May
BO00277	3/27/2006	Request	2	GG43528	2.00	Each	4/21/2006	Ann
BO00281	3/27/2006	Request	4	WW943635	1.00	Each	4/15/2006	David
BO00286	3/28/2006	Stock	4	JXN-8-470	27.00	Each	5/10/2006	Ali
BO00291	3/29/2006	Stock	5	LV-99-275-A	11.00	Each	4/18/2006	Bob
BO00295	3/30/2006	Request	5	QV92	2.00	Each	4/30/2006	May
BO00296	3/30/2006	Request	1	448874-A	3.00	Each	4/30/2006	David
BO00310	4/5/2006	Stock	3	BNM-9U56	56.00	Each	5/10/2006	Jim
BO00335	4/9/2006	Stock	3	DF709	39.00	Each	4/25/2006	Jim
BO00337	4/9/2006	Request	1	GG43528	1.00	Each	5/20/2006	Ann
BO00346	4/10/2006	Stock	3	AD9087	32.00	Each	5/12/2006	Ali
BO00357	4/12/2006	Stock	3	LV-99-275-A	18.00	Each	6/10/2006	Bob



Teamcenter Reporting and Analytics - Scheduler



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Scheduler wizard

Output information

From : *

To : * #

Subject :

Comment :

* Mandatory fields

Report option

- Email the report
- Print to file Overwrite existing file
- Save snapshots
- Save and Replace N snapshots Value of N:

Report format

- Html Excel XML
- PDF
- Page Orientation Portrait Landscape
- No. of lines per page
- Page width (pixels)
- Header On Each Page

Notify User

Step 2 of 5





Scheduler wizard

Task name and frequency type

Type a name for this task

Weekly Part type report

Select the frequency for this task :

- Hourly
- Daily
- Weekly
- Monthly by Date
- Monthly by Day
- Custom



Perform this task :

- Every week
- Every First
Second
Third week (hold Ctrl key to select multiple)

Select the day(s) of the week below:

- Monday Tuesday Wednesday
- Thursday Friday Saturday
- Sunday

Duration

- Use server time Server time : Thu Apr 13 23:54:30 IST 2006
Server timezone : Asia/Calcutta
- Use local time Time zone :

Start date : Execute at : hrs.

- to End date :
- repeat for times
- repeat forever

Step 4 of 5





Scheduler wizard

Confirmation page

You have successfully scheduled the following task:

Weekly Part type report

Report name : **Inventory by part type - Template**

Frequency selected : **Weekly**

Click finish to add this task to the scheduler



Scheduler

View tasks by :

Following are the tasks for Scheduled reports

Task name	Report Name	Created on	Created by	Time zone	Last timestamp when suspended/resumed	No. of times run	F
Inventory by part - Ottawa	Inventory by part - Ottawa snapshot	Mon Feb 28, 2005 20:44:46	eqube	GMT+05:30		1	C
Inv batch 2	Inventory by part - num - template Inventory by part - Ottawa snapshot	Tue Mar 1, 2005 21:05:16	eqube	GMT+05:30		1	C
inv report with email	Inventory by part - Ottawa snapshot	Wed Mar 2, 2005 10:22:58	eqube	GMT+05:30		0	C
Inv by part - no limit	Inventory by part - no limit - template	Wed Mar 2, 2005 20:00:54	eqube	GMT+05:30		1	C
test email	test email small report	Thu Mar 3, 2005 15:09:33	eqube	GMT+05:30		1	C
Email in by part with logging	Inventory by part - Ottawa snapshot	Thu Mar 3, 2005 19:31:23	eqube	GMT+05:30		1	C
HH	Inventory by part - Ottawa snapshot	Fri Mar 4, 2005 16:27:30	eqube	GMT+05:30		1	F
HH1	Inventory by part - Ottawa snapshot	Fri Mar 4, 2005 16:42:19	eqube	GMT+05:30		1	F
small	small template for mail	Fri Mar 4, 2005 20:12:56	eqube	GMT+05:30		1	F
inv by part - more mail logging	Inventory by part - Ottawa snapshot	Fri Mar 4, 2005 20:17:04	eqube	GMT+05:30		2	H

[View By Date Range](#)

Usage Report for Scheduled Reports

Task	Report name ▲▼	Created By ▲▼	Created On ▲▼	Executed On ▲▼	Ti
<input type="checkbox"/> All Tasks					
<input checked="" type="checkbox"/> Inventory by part - Ottawa	Inventory by part - Ottawa snapshot	eqube	Mon Feb 28, 2005 20:44:46		
<input type="checkbox"/> Inv batch 2		eqube	Tue Mar 1, 2005 21:05:16		
	Inventory by part - num - template			Tue Mar 1, 2005 21:10:00	
	Inventory by part - Ottawa snapshot			Tue Mar 1, 2005 23:14:55	
inv report with email	Inventory by part - Ottawa snapshot	eqube	Wed Mar 2, 2005 10:22:58		
<input checked="" type="checkbox"/> Inv by part - no limit	Inventory by part - no limit - template	eqube	Wed Mar 2, 2005 20:00:54		
<input checked="" type="checkbox"/> test email	test email small report	eqube	Thu Mar 3, 2005 15:09:33		
<input checked="" type="checkbox"/> Email in by part with logging	Inventory by part - Ottawa snapshot	eqube	Thu Mar 3, 2005 19:31:23		
<input checked="" type="checkbox"/> HH	Inventory by part - Ottawa snapshot	eqube	Fri Mar 4, 2005 16:27:30		
<input checked="" type="checkbox"/> HH1	Inventory by part - Ottawa snapshot	eqube	Fri Mar 4, 2005 16:42:19		
<input checked="" type="checkbox"/> small	small template for mail	eqube	Fri Mar 4, 2005 20:12:56		
<input type="checkbox"/> inv by part - more mail logging	Inventory by part - Ottawa snapshot	eqube	Fri Mar 4, 2005 20:17:04		
				Mon Mar 7, 2005 10:12:00	
				Mon Mar 7, 2005 12:44:00	
<input checked="" type="checkbox"/> Test for vega	Inventory by part - Ottawa snapshot	eqube	Thu Mar 17, 2005 18:03:37		
<input checked="" type="checkbox"/> Test only snapshot	Inventory by part - Ottawa snapshot	eqube	Fri Mar 18, 2005 12:11:58		
<input checked="" type="checkbox"/> Demo	small template for mail	eqube	Tue Mar 22, 2005 20:00:51		
Test A	Inv by part Ottawa template	eqube	Mon Apr 4, 2005 19:17:06		



Generating Ad-hoc Reports...



About

Report Wizard

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Report Wizard

Please select the data and factors for data that you would like to analyse:

Available Factors:

- airport
- airport_name
- Cube Id of the Saved definition
- Failure By Part No
- Failure By Part No. Updated
- Failure By Tail No
- Failure_Reliability by Serial No.
- Inventory By Part Number
- Inventory By Part Number Numeric
- Inventory By Part Type.
- ISSUEBYTAILNO
- Part Type for Inventory
- Part type from part type
- Site for Inventory
- Site from Site

Show Data Elements

Available data related to selected factors:

- Condition
- Location
- Location Status
- Quantity
- Unit

Select all

Clear all

Would You Like To Define Your Own Data Using Any Of The Above

Step 1 of 6

Next





Report Wizard

http://localhost:9090/eQube/BuildNPlay/showRangeMeasureLimits.jsp - Microsoft Internet Explorer

Select Inventory By Part Type. Values Using One Or More Of

Attributes Of Inventory By Part Type.

Use This Attribute ?

Criteria

Criteria Value

Limit Name

Site

= [dropdown]

Site [dropdown]

[button]

Part Type

= [dropdown]

Type [dropdown]

[button]

[Set values](#)

[Add more values](#)

[Cancel](#)



eQube - Web Based Business Intelligence - Micr...

Select the criteria value

Ok

- CHARLOTTETOWN
- CHARLOTTETOWN
- EDMONTON
- HAMILTON
- MLYN
- MONCTON
- MONTREAL
- OTTAWA
- PARRY_SOUND
- PRESCOTT
- PRINCE_RUPERT
- QUEBEC_CITY





Report created on : 04-14-2006 12:27:06 AM

Selected filters: **Inventory By Part Type**- (Site = CHARLOTTETOWN)

Inventory By Part Type	Condition ▲▼	Location ▲▼	Location Status ▲▼	Quantity ▲▼	Unit ▲▼
<input type="checkbox"/> All				181.0	
<input type="checkbox"/> CHARLOTTETOWN				181.0	
<input checked="" type="checkbox"/> CONSUMABLE				157.0	
<input type="checkbox"/> ROTABLE				13.0	
<input checked="" type="checkbox"/> 063-1007-00 (TRANSCEIVER, HF) - (R)				1.0	
<input type="checkbox"/> 105-15103.12 (WEIGHT) - (R)				1.0	
N/A	S	01D-03A	STOCK	1	EA
<input checked="" type="checkbox"/> 105-23151 (SPT.) - (R)				1.0	
<input checked="" type="checkbox"/> 105-80605 (COVER ASSY.) - (R)				1.0	
<input type="checkbox"/> 105-93910 (ELEMENT, SENSING) - (R)				2.0	
N/A1	S	01H-04A	STOCK	1	EA
N/A2	S	01-H-	STOCK	1	EA
<input type="checkbox"/> 4012-1003 (VOLTMETER.) - (R)				1.0	
205	S	01H-06A	STOCK	1	EA
<input type="checkbox"/> 6856983 (VALVE.) - (R)				1.0	
N/A	S	UNIT 3	STOCK	1	EA
<input type="checkbox"/> 6920 (VALVE, SOLENOID) - (R)				1.0	
8608660609310	S	LOST	SCRAP	0	EA
<input type="checkbox"/> 7264-9156 (RELAY, 200 AMP) - (R)				3.0	
930539	S	01I-02A	STOCK	1	EA
931768	S	01I-02A	STOCK	1	EA
957180	S	01I-02A	STOCK	1	EA
<input type="checkbox"/> D107318 (FUEL PUMP) - (R)				1.0	
125946	S	UNIT 2	STOCK	1	EA
<input checked="" type="checkbox"/> SERIALIZED				11.0	



Saving of Reports – Options - Implications



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Name For This Definition

Inventory by part type

Description

Category

InAir

New Category:

- Save cube as snapshot.
- Save cube as template.
- Save cube as redefinable template.

Save

Back to Cube





Managing Load on Source Data Production Servers

- ▶ eQube capabilities:
 - ▶ Integrated and powerful “Scheduler”
 - ▶ Ability to save “Snapshots” of data
 - ▶ Ability to compare the “Snapshots” of data to identify trends and changes from prior state
 - ▶ Ability to enforce “mandatory filters” before analysis can be run



Managing Load on Source Data Production Servers cont...

- ▶ Ability to set “Role” based eQube access privileges
- ▶ Ability to “Slice” reports in memory to create “sub-reports” (this can be scheduled)
- ▶ Ability to ‘Refine’ a ‘cube’ on the fly
 - ▶ slice / dice
 - ▶ bucketing of time dimension



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