



Date: 7/23/2014

Meeting Name	Daily Change Coordination and Issue Review
Attendees:	Daniel Sapienza, Daniel Belanger, Brian Duffy, Mike Jin, Bonnie Bradley, Han Gu, Christine Malia, Bob Vida
Purpose:	Review, Communicate Business Impacting Incidents and Prioritize and Finalize the Change Plan for the current night.
Achieved Outcome:	Agreed upon implementation plan and issue follow up (Daily)

RECAP OF NOTABLE CHANGES FROM LAST NIGHT

- MDD/POPE Buffer Changes for partition 2
- Market watch Post 9.0 incremental (MW Client Citrix and OBEWCF and MPT Alert Service)
- ALR 51A Migration

RECAP OF ISSUES FROM LAST NIGHT AND START OF DAY

We performed reconciliation between trades received by OCC and trades present in Market Place DB for both ISE and GEMINI. Today we found discrepancy of 196 contracts missing in GEMINI Market Place DB belonging to partition 57, 58 and 59. ETSLR has the trade information but looks like it couldnt send the data through to PIM. An RTP re-run will be performed in the evening to resolve the issue. (Check into the streamer)

OCCTR service gem.outboundfeeds.occtr.51p failed to start on its own. The log file was not generated. After bringing down the secondary service, both primary and secondary services were manually started, at approx. 07:10.

Exegy Gapping: We dropped data on the Pre-Prod and Gemini backup ticker plant. Get an answer on why the data was dropped

NOTABLE CHANGE PLAN FOR TONIGHT (7/18)

- MDD/POPE Buffer Changes across the board
- PMM Control Plugin
- ALR Migration
- MCAFEE changes for FC and MSM nodes to communicate with the master server (requires investigation of the settings)
- Billing CTR reconciliation: verification program (How to handle discrepancies)

UPCOMING CHANGES / TESTS

Name	Description	Tentative Implementation
MDD	Buffer changes after crash on 7/9	In-progress
IORS	Incremental#2	Last week of July
Config Client	Command line config client - SIRS logged – estimated delivery by late July	July
MAW	Post 9.0 incremental	7/22
RTP	Upgrade servers to 2012. ALR first	In-progress



NFS	Remove NFS	TBD
Deco Fast Feeds	Decommission FAST Feeds for (Top, Pre-Open, Trade for SI)	8/11
IORS Performance	Multiple IORS performance changes were discussed and need to be scheduled *Rebalance adapters between ORA's	Rebalance in progress
Binary Depth Feed	Dependent on Decommissioning of FAST Feeds	TBD
OCC EOD time	OCC is looking to move the EOD time to 5:15. Active in BAT. Follow up on OCC handshake (UC4 Jobs)	8/1
CBOE ETH	CBOE is to begin offering extended trading hours from 3:00 am - 9:15 am	July?
RTP	Enable binary encoding for the PIM's	7/29
ActiveMQ	Rebuild ActiveMQ servers to RHEL 6.5	8/23 (or 9/13)
OQTR	Decision to go with multiple fixes. 8.1.0.5 delivered unofficially on the staging server. Capture at the open for 10 minutes (APPLE)	8/8
Product Adds	44 ISE products; 21 Alt PMM; 101 Gemini	8/1; 8/5; 8/11
LVC	LVC to use RDCX to load data instead of Exegy. Configured in QA. Need additional details on the priority	TBD

OPEN ISSUES

Priority	Issue	Impact to Production
High	<p>On 6/12 and 6/13, OQTR stopped sending data to SIAC on individual lines causing queues to build. In order to recover, the OQTR instance was failed over and SIAC forced a failover to the backup port.</p> <p>Updates (7/17):</p> <ul style="list-style-type: none">Issue occurred on 6/30 (on SIAC fallback version). <p>Actions Taken:</p> <ul style="list-style-type: none">New release deployed to OQTR instances. Allows ISE to failover to backup port without SIAC interactionSIAC has fallen back off of a release for lines 37 – 48.Test performed with SIAC from DR to their prod linesScaling turned on for all serversSIAC fall forward on lines 37 - 48 <p>Next Steps:</p> <ul style="list-style-type: none">Continue to monitor behavior	Quotes and trades are not sent to the tape. If a failover is required, anything in the queue is lost.
Owner		
SIAC/ Dev / ASG / NOPS		
Application		
OQTR		
Priority	<p>Instruments for 3 index products did not rotate to open. After falling off the latest IDS release for the SNP instance, MOPS was able to open these instruments.</p> <p>Update (7/18):</p> <ul style="list-style-type: none">SQM verified that the secondary instance needs to be on the old version with DualConfig disabled <p>Actions Taken:</p> <ul style="list-style-type: none">Fellback the secondary SNP instance to the previous version. <p>Next Steps:</p> <ul style="list-style-type: none">SIR 276199 was opened for this issueFix will be delivered with next release. Est 7/31. Mid August expected turnover	With the latest version, MOPS is unable to rotate the SNP instruments indexes manually.
Medium		
Owner		
Dev		
Application		
IDS		
Priority	<p>Performance issues were found on all EFI hosts and the IDS servers.</p> <p>Update (7/8):</p> <ul style="list-style-type: none">EFI servers are utilizing less CPU since 7.0 release. (not using active spin loop)GDS instances are using excessive CPU on the IDS servers <p>Actions Taken:</p> <ul style="list-style-type: none">Checked spec for GDS. 1 instance handles 90% of the data. <p>Next Steps:</p> <ul style="list-style-type: none">DR EFI rebuilt. Issue doesn't currently exist in DR.	Performance issues on the server could impact the data being disseminated by these applications.
Medium		
Owner		
Capacity/ Dev		
Application		



EFI / GDS	<ul style="list-style-type: none"> Andreas working with Slava on next steps 	
Priority	<p>Check_mk log monitoring is not available for multiple servers/applications. This is a result of having to rediscover multiple logs throughout the day. The result is the agent utilizes excessive CPU resources and becomes unresponsive.</p> <p>Update (7/2):</p> <ul style="list-style-type: none"> Currently Precise BSI, Ports and IORS BSI servers have been impacted. Precise does write errors to the event viewer, which is being monitored by check_mk <p>Actions Taken:</p> <ul style="list-style-type: none"> Upgraded agent to 64 bit. Removed log monitoring from these servers so the agent would be responsive again. Updated the eif file for PC-BSI02J so that IORS reports errors to the dashboard <p>Next Steps:</p> <ul style="list-style-type: none"> Change the way the ISEApps rotate logs so that the most recent log keeps the same name. ORS will take changes in R10 Test scenario in PAT Possible workaround using symbolic links has been setup. Testing in progress 	<p>ASG is unable to monitor the application logs for issues. Could result in a missed issue or delayed response to a problem.</p>
Medium		
Owner		
Dev		
Application		
Check_mk		
Priority	<p>We have seen gaps at the open for OQTR instance 51p multiple times over the past few weeks. Other instances have also seen gaps, but not as frequently.</p> <p>Update (5/14):</p> <ul style="list-style-type: none"> NOPS does not see any issues Gaps are continually seen and are now affecting both OQTR and MDS LVC. Possibly due to garbage collection on servers. Other options being explored. A rebalance of products may not help Gaps reported by members. Needs escalation <p>Actions Taken:</p> <ul style="list-style-type: none"> Systems updated 1 adapter setting on pc-qtrp51. Additional counters have been setup on the server to monitor the performance of the application and the network adapter Verify adapter settings on other servers Increased NtvlcpNumQueuedDgrams from 18000 to 24000 Network changes applied on w/e of 5/17. <p>Next Steps:</p> <ul style="list-style-type: none"> A code fix will be designed in the future. SIRs 262636, 268344 (10.0) Mdd receiver library Combining feeds 	<p>Gaps are recovered. Could delay trade data sent to OPRA.</p>
Medium		
Owner		
Dev / AK		
Application		
OQTR		
Priority	<p>On 2/18 there were memory issues with pc-amq01a, causing queues to build up in the application. The server was rebooted intraday in order to resolve the issue.</p> <p>Update (5/30):</p> <ul style="list-style-type: none"> Errors still seen in the morning (3 – 4 am) Workaround is in place if the memory issues are seen <p>Actions Taken:</p> <ul style="list-style-type: none"> Updated the firmware of the hba Checks and monitoring added to alert if issue occurs Linux support and Network Engineering have resolved port issues New ActiveMQ cluster built in DR without using qdisk. ISEApps have been configured too <p>Next Steps:</p> <ul style="list-style-type: none"> Testing in DR. 	<p>Could impact complex instrument creation. Workaround is in place.</p>
Medium		
Owner		
Linux / NOPS		
Application		
ActiveMQ		



Test Environment Status

DR

Status: ActiveMQ testing; OQTR; EFI; Check_mk log file monitoring
Current Core Version: 9.0.050
ISEApps Status:
Environment Issues:
Comments: Need to upgrade to latest Core release

OAT

Status: Running regression
Current Core Version: 9.0.110
ISEApps Status: Testing incr 2 (certify on 9.0)
Environment Issues:
Comments: Backup db's; rhel upgrades complete. Application rebuild is done. Testing is back in progress

MAT

Status:
Current Core Version: MT2 – 9.0.110
ISEApps Status: IORS (9.0) using MT2 environment
Environment Issues:

Status: Upgrade to R10
Current Core Version: MT1 – 9.0
ISEApps Status:
Environment Issues: Using the Production schedule. (Check with Dan and Tom Z), Core upgrade in progress

BAT

Status: BAT1
Current Core Version: 9.0.110
ISEApps Status:
Environment Issues:
Comments:

Status: BAT3 (automation)
Current Core Version: 9.0.200
ISEApps Status:
Environment Issues:
Comments:

Status: BAT2
Current Core Version: 10.0 (beta)
ISEApps Status: LOR install request
Environment Issues: Disable some ISEapps
Comments: 10.0.2 unofficial with Matcher fixes was installed

PAT

Status: MDD test with pre-open/open feeds
Current Core Version: 9.0.110
ISEApps Status: IORS incr 2
Environment Issues:
Comments: IORS testing was completed. Results to follow. Environment is now being upgraded to 10.0 and RHEL 6.5 on TC-PAT201



All dates are of implementation unless otherwise noted

**Only notable changes are listed

July 2014 Notable Work

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
June 30 New Liquidity Indicators	1 IORS Incr 1 rollout (1 BSI)	2 OQTR scaling (1 server)	3 Early Close OQTR scaling (1 server)	4 ISE Closed	5	6
7 OQTR scaling (all servers)	8 New SOR venue	9 IORS Incr 1 rollout (1 BSI) IDS v1.9.1.0 for SIX instance	10 Enable PIM Binary Encoding	11	12	13
14 Core 9.0.110 (partition 1 primary)	15 Core 9.0.110 fallback IORS Incr 1 fallback	16 Core 9.0.110 (partition 1 primary) OQTR ISE fallback	17	18 - Expiration Core 9.0.110 (partition 1 secondary) LOR v1.0.0.41 – Gemini only Upgrade Citrix Gateway RTP ALR 2012 server	19	20
21 MDD buffer changes – 1 partition LOR v1.0.0.41 – ISE instance	22 MDD buffer changes –all partitions Precise DB Cleanup – DBK04E	23	24 Marketwatch Precise DB Cleanup – All BU's	25	26	27



28	29 Binary Encoding for PIM	30	31	August 1 st Add 44 ISE products Move up OCC EOD time	August 2 nd	August 3 rd
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