**ESO Release 3 (Environment Readiness Discussion)**

**Meeting Held on May 24, 2019**

1. **API Functional Shakeout (Not Complete / Observed System Issues / Additional Follow-ups Assigned to ESO Team):**

API Info:

* Service Order APIs (~5)
* Premise API (2 methods)
* Customer (1)
* ODA API (1)
* Other Notes:
  + Need to functional test APIs in postman (ESO team tried a few APIs, but additional API functional testing is needed). Has data for API functional testing
  + 1 API in the scheme (tcu\_package) (needs a reference) – have we fixed this? -Yes
  + 1 New experience API and modification to existing APIs

UAT (API Testing):

* Additional planning needed for UAT API testing; currently using build environment
* Will have to test in dev and UAT for promotion to prod
* Will have to promote API code to UAT and retest (additional testing in ptst)

Has this additional testing been completed? – Yes, APIs are successfully tested in UAT & PTST, both smoke test and end to end testing.

Prod (API Deployment):

* Promotion - There are updates to an existing API. According to Ryan APIs cannot be updated in production with the same pattern and cannot add to current v1 apis due to needed security related modifications. IC4E team needs to be consulted. API security requirements. Version 2 APIs will need to be updated due to security restrictions and mandates (follow-up needed) (this could be a show stopper issue if an exception is not given). Additional discussion with ESO and IC4E team needed

Have we had conversations with IC4E? Also, have our API been converted to the required Version 2 guidelines?

ESO API change and New API were approved by IC4E and deployed and tested in UAT and were approved to PROD deployment by IC4E. ESO has to comply with Version 2 guidelines by 8/15/19 deployment.

People Needed to Assist:

* Primary
  + Bash and Madhu (ESO Team)
  + Binay Nanda (Consultant API developer) (ESO Team)
  + Chris Rickard (Step through CSS code while pointing to CSSPX4)
* Secondary:
  + Ryan and Cliff (SME support is needed) (Limited Support due to 100% on CRM)
  + Sung Chung DBA (CSSPX4 DB) (can provide support on Tuesday and Monday of next week)
  + Natasha Wu (API SME) (need to confirm availability)
  + IC4E team to discuss the prod API security changes

**Status Update:**

Daily stand up was conducted from 5/27/19 (Monday) to 5/31/19 (Friday) – as the smoke test successfully completed on 5/31/19

On 5/28/19: Able to connect to CSSPX4 environment successfully from the web.

1. **Web Application Shakeout (Not Complete / Observed System Issues / Additional Follow-ups Assigned to ESO Team):**

Web UI:

* Verify Premise (Premise search works some time)
  + Some navigation does not work – have we corrected this issue? Yes, no more an issue
* Verify Custome
* Issue connect / disconnect
* Order date availability
* Other Information
  + Code base has been test in ptst
  + Web portal (users could not look at PAGs)

Web (CSR) (Not Complete – Activity Assigned to ESO Team):

* CSR Web environment has not been confirmed
* Environment needs to be setup including PAGs and other web windows
* Will have to update the url table

People Needed to Assist:

* Mahdu (ESO Team)
  + Will setup the environment and work through the web issues

**Status Update:**

ESO team created new CSS instance CSSPX4. Completed setting up the web to point to CSSPX4 ready by 5/29/30.

Madhu started working on setting up CSR Web environment on 5/30/19

5/31/19 Madhu transitioned the services and permissions that is needed to setup CSRWEB mapping to CSSPX4 to Swapna as Madhu left for 30 day vacation. Swapna started working with Natasha.

6/3/19: Swapna was unable to focus on the CSRWeb setup as she has to focus on bug/defect fixing of the UAT testing.

6/11/19: Swapna confirmed that most of the CSRWEB setup has been completed with Natasha's help and needed few issues to fix and to Smoke test make sure it is working.

1. **Database (CSSPX4) (No Known Issues):**

Database Info:

* According to ESO team members data is in the environment (data loaded) and all the test accounts are good to go
* Permissions for tables and packages granted – Have we missed any tables or packages needed? – Not identified any additional need at this time. But may come up in the future specific to any test scripts.

People Needed to Assist:

* Mahdu (ESO Team)
* Chris R. and Chris H. (ESO Team)
* Sung Chung (available to assist Tuesday all day) (Thursday can assist)

**Status update:**

5/24/19: CSSPX4 has been loaded initial with test data

5/26/19 – 6/5/19: Additional test data were extracted to CSSPX4, as requested basis by Chris H.

1. **CSS (Online) (No Known Issues with Core CSS (See Notes on Web Window Issue))**

CSS App Info:

* CSS application works as expected and is good to go
* User conducted a shakeout of dialogues and things seem to be working with the exception of web windows, which is related to the Web (CSR) section mentioned above
* Chris R. mentioned he had to copy over static table and metering reading and had to copy over tables (table issues are resolved)

People Needed to Assist:

* Chris R. and Chris H. (ESO Team)
* Tracey Lary (CSS Tech) will be able to assist next week in case of any issues with CSS ONLINE

**Status Update:**

5/31/19: CSS online code has been configured in build with CSSPX4 test data for UAT testing.

5/31/19: Web PLZ01 and API PRF has been pointed and configured to CSS Build and CSSPX4 for UAT testing.

6/3/19: UAT testing using PLZ01 and API PRF pointed and configured to CSS Build and CSSPX4 started

1. **CSS (Batch) (No Show Stopper Issues)**

CSS Batch Info:

* Setdate command works somewhat; Chris H. has to update one of the tables (1 table does not repopulate – work around possible) (dt yearly constant) (Longer term for this issue to be addressed later) – Does this need to be fixed? It has been fixed (Chris H.)
* Batch jobs are good to go (new processes working fine) – has this been fully tested – working fine (by Chris H.)
* Service Order jobs are needed (have not run the service order completion) – has this been fixed - working fine (by Chris H.)
* Will need to run the batch process
* Will have to update the email ID (Chris R. has a process)

People Needed to Assist:

* Chris H. and Chris R.

**Status update:**

6/3/19: Chris H. confirmed that he has all the Batch job ready for CSSPX4 and needed account processed into Held status to run them.

1. **Email (Issue Resolved and Follow-up Needed)**

Email Info

* Was an issue; created synonyms to map to ptst; needs to verify test on an email – testing needed – Tested for SendGrid on 6/11/19 and didn't work
* Will have to configure to use a different email

People Needed to Assist:

* Chris H.

**Status Update:**

5/31/19: Information on the template IDs (Sendgrid templates) received from Lauren Baxton

6/8/19: Chris H. stated the following limitation CSSPX4 with email notification:

I believe the reason you are not getting the email is due to the mapping of the email tables in csspx4. Since sendgrid only works in PTST, the only way to get this process to work will be to map all the email tables in our test environment to devtest2. Not all the email tables are currently mapped over for sendgrid to process newly posted emails, a result this is why we are not getting our emails.

I would like to suggest testing the connect process in DEVTEST2 first.

1. Process new connect in DEVTEST2
2. Verify the email is generated here.
3. Swapna please provide me with all the tables required for sendgrid to pick up the emails in DEVTEST2.
4. Once I receive the list of tables from Swapna I will map over the required tables for email processing.
5. .Map back over to csspx4 and test new connect issuance.

6/11/19: Lisa and Vicky tested as Chris H. requested, but didn't generate email notification.

6/11/19: Please see Chris H.'s notes on how we can address the CSSPX4 SendGrid configuration issue:

"CSS do not own the sendgrid email process.  I am currently analyzing this with Vicky and Josalin right now.   Sendgrid is not CSS,  I can provide the CSS email transactions on the database for the business to verify. Please escalate this issue to the appropriate sendgrid resource.   I agree this issues is taking time away from me processing CSS transaction and supporting the business."

1. **MCT (Issues resolved in Development Prod Deployment Needed):**

MCT Info:

* MCT tested but needs to be deployed

People Needed to Assist:

* Madhu
* Natasha Wu (limited SME support)

**Status update:**

5/30/19: MCT has been functional for CSSPX4 by Natasha.

1. **Other Information and Logistic (Additional Follow-ups Needed):**

Meetings

* Setup daily check point meetings with ESO and individuals needed to support(Bash from ESO Team

Alternate Solutions (additional discussion needed):

* Might be able to use ptst environment for user testing, but there are considerations for that including the following:
  + Can test some functionality, but testing won't be end-to-end
  + SSN masking on each bae
  + Can't test the batch pieces (need to adjust the date)
* Diane Kelley is the business test lead (needs to be made aware of testing environment issues)
  + Current team testing in build (dev) not new environment

Other Considerations: - any follow-up needed for these two questions?

Main testing cycle driven by specific date is the 7day reminder and 10 day cancellation

* What is the testing cycle and will support be needed throughout the testing?
* **How will the deployment process work?**

**Status Update:**

Daily Stand up meeting conducted from 5/27/19 (Monday) to 5/31/19 (Friday) – as the smoke test successfully complete on 5/31/19 to ensure CSSPX4 is functional UAT testing and MCT is working

**Additional issues identified as of 6/8/19 with CSSPX4**

Making 3rd party Payments: Making credit card or bank payment online to release Held orders and get update in the CSSPX4 database

SendGrid emails: SendGrid email process has to be set up to trigger To/from CSSPX4 during testing

**Development and Deployment process:**

**Development and Unit Testing:** Each Developer shall complete the development of the User Story assigned to him/her and conduct successful unit testing

**Code Peer Review:** Any code changes, made by anybody in the ESO Product team must be Peer reviewed and approved (documented) prior to System Testing. The owner of the code change must provide sufficient details to the Reviewer to ensure the code review met the QA standards and was efficient. The recommended and agreed changes must be done, documented, confirmed, and approved.

**Integration/System Test:** The developers from all impacted application teams must make sure their changes are integrated end to end and the sub-feature (user story) successfully works end to end. The changes and/or new features are working and meeting expected results.

****The Integration/system test shall be conducted in the colored flow (test environment) above.

**UAT Testing on CSS Build/CSSPX4:** Business Lead shall conduct thorough UAT testing on PLZ01- CSS Build/CSSPX4 with UAT test Scripts in TestRail. Please refer to the following environments bellow



UAT test shall be conducted in the colored flow (test environment) above.

**Regression testing: on QA - CSS PTST/PTST-Customer:** Business Lead shall conduct a regression testing on QA - CSS PTST/PTST-Customer prior to move UAT testing on STAG environment. Please refer to the following environments bellow

The regression testing will be automated for ESO product team

Web

QA

API

QA

CSS Code

PTST

CSS Test Data

PTST-Customer

**UAT testing on STAG – Web QA - CSS STAG/PTST-Customer:** Business Lead shall conduct a regression testing on QA - CSS PTST/PTST-Customer prior to move UAT testing on STAG environment. Please refer to the following environments bellow

Web

QA

API

QA

CSS Code

STAG

CSS Test Data

STAG

**GO / No Go:** A Go / No Go call will be made day before the deployment/release date. A Go or No Go decision will be made by the team based on the UAT test results and the readiness of the feature to go to production. There shouldn't be any unresolved severity 1 or critical defect and successful regression testing.