Hi All,

Please find the points discussed during the Kernel Demo for features developed until Sprint 7.

Kindly add on/update as required.

***Date:***

31 Jan 2019

***Participants***:

Ramesh, Krishnan, Technoforte Team, Shravan, Romila, John, Amandeep, Resham, Shwetha, Gita, Kernel Team,

***Document(s) Referred***:

1. For Demo: *Enclosed deck <* *Sprint 7 Kernel Demo.pptx>*
2. For Technical Review: *GitHub Wiki*

***Feedback:***

1. The documentation was appreciated

***Points Concluded/Action Items*:**

1. UIN generator:
   1. Come up with an intermediary status for UIN allocation which will convey that UIN is only issued but not allocated – Amandeep
   2. Registration Processor should acknowledge and respond to the UIN generator for successful/unsuccessful allocation of UIN - Rounak
   3. Analyze on whether separate DBs are required for “Used” and “Not Used” UINs or not – John
2. Audit manager:
   1. Standardize the approach for deciding Event ID and Event Name in Audit Records to be used across MOSIP for every event – All BAs
   2. Discuss on setting up a Language Bundle for Description Field for Audit Logs – John
   3. Create test cases for Corrupt transaction and loss of Audit Transactions in Audit Manager – Jyoti
3. Sync Handler:
   1. Analyze on whether Kernel Sync Handler Service should respond with Last Updated Timestamp or not – Amandeep/John
   2. As part of Sync Service, do we really need to sync list of User and Roles or only syncing Roles and Users suffice the need – Amandeep/John
   3. For sync – Does incremental sync include deletions as well? – Resham (Done **-** Verified with the Reg. Client team. Yes. It includes deletions)
   4. Do we have the possibility of completely erasing/removing data from a machine which is not specific to the Reg. Centre? Considering a scenario wherein the RO moves with the machine from one center to another – This has not been considered so far. It has now been included in JIRA, refer MOS-13698
4. License Key Generation:
   1. Come up with requirements of manually blocking(Temporary/Permanently) license Keys through Admin Portal – Amandeep
5. Transliteration:
   1. Verify with GoM/SI for transliteration libraries support from SI – Resham (Done-Mail sent to GoM – We will need to wait until SI is onboarded)
6. Static PIN generation:
   1. Re-check with IDA team if this has been implemented – Resham (Done – IDA team has confirmed that this has been developed)
7. ID Validators:
   1. Analyze on whether there is a need for ID Validators or not – All BA/Architects
8. Token ID:
   1. Analyze on whether do we need a Hash algorithm or a random number will suffice for Token ID – John/Amandeep
9. QR Code:
   1. Analyze on how QR code can handle encryption of Data - John
10. Master Data:
    1. Testing team to create their own scripts to put data in Master DB – Jyoti

Thanks & Regards,

Amandeep Khanuja

Business Analyst

**From:** Google Calendar [<mailto:calendar-notification@google.com>] **On Behalf Of** [krish@mosip.io](mailto:krish@mosip.io)  
**Sent:** Thursday, January 31, 2019 3:04 PM  
**To:** Shravan Poorigali <[Shravan.Poorigali@mindtree.com](mailto:Shravan.Poorigali@mindtree.com)>; [shri@mosip.io](mailto:shri@mosip.io); Resham Chugani <[Resham.Chugani@mindtree.com](mailto:Resham.Chugani@mindtree.com)>; Gita Vittal Rao Phutane <[Gita.Phutane@mindtree.com](mailto:Gita.Phutane@mindtree.com)>; Narender Mandan <[Narender.Mandan@mindtree.com](mailto:Narender.Mandan@mindtree.com)>; Uday Kumar <[Uday.Kumar@mindtree.com](mailto:Uday.Kumar@mindtree.com)>; Shwetha Mruthyunjaya <[Shwetha.Mruthyunjaya@mindtree.com](mailto:Shwetha.Mruthyunjaya@mindtree.com)>; Amandeep Khanuja <[Amandeep.Khanuja@mindtree.com](mailto:Amandeep.Khanuja@mindtree.com)>; Rahuul Chettri(Associate) <[Rahuul.Chettri@mindtree.com](mailto:Rahuul.Chettri@mindtree.com)>; Romila Mattu <[Romila.Mattu@mindtree.com](mailto:Romila.Mattu@mindtree.com)>; [ramesh@mosip.io](mailto:ramesh@mosip.io); [arun@mosip.io](mailto:arun@mosip.io); Neha <[Neha.Sinha@mindtree.com](mailto:Neha.Sinha@mindtree.com)>; Dharmesh Khandelwal <[Dharmesh.Khandelwal@mindtree.com](mailto:Dharmesh.Khandelwal@mindtree.com)>; Sidhant Agarwal <[Sidhant.Agarwal2@mindtree.com](mailto:Sidhant.Agarwal2@mindtree.com)>; Lalana Mishra <[Lalana.Mishra@mindtree.com](mailto:Lalana.Mishra@mindtree.com)>; [mishra.anadi@gmail.com](mailto:mishra.anadi@gmail.com); Mosip CoreKernel <[mosip.corekernel@mindtree.com](mailto:mosip.corekernel@mindtree.com)>  
**Subject:** MOSIP Demo: Core Kernel - some notes

\* This e-mail originated outside of Mindtree. Exercise caution before clicking links or opening attachments \*

Some notes taken today ....take it forward if it is useful

Kernel Demo  
===========

KeyManager Service  
-----------------  
-The focus can shift to testing and automating Kernel services as much work has been completed  
How about creating a Kernel Test services in the lines of Kernel services?  
Specifically API testing

-Application ID generation tests as per policy

-SoftHSM  
Testing by hooking different adapters

-Keyvalidity checks - switching checks  
-Expiry simulation - expiring the key articially

==========================================================================

UIN Generator service  
---------------------  
-Configurable UIN pool - what happens after service restart - persistence check  
-Should not get re-used  
-Failure - but issued UIN marks as TRUE  
-Refresh the pool completely - clear-off the pool and put fresh ones

=============================================================================

Audit Service  
-------------

Application ID and EventID

audit table generation of IDs in row form needs to be thorougly tested per application

==============================================================================

OTP Service  
-----------

email-service  
-------------  
How do we automatically check ?  
deadletter box

SMS Service  
-----------  
We are using a free MSG91 gateway service  
For load testing we would need a actual purchased gateway

==================================================================================  
Master data sync   
---------------  
How are we automating ?

s  
=================================================================================  
ID Generator Java API  
---------------------

ID Validator   
-----------  
why is it required and where it is used? TEam to come back  
May be QA team can use it

==================================================================================