Logo_PUMA2Test Case – Unit Tests

Extended System Discovery V3

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Extended System Discovery V3

| **Before Execution** | **Name: Title: Date *(dd/mmm/yyyy)*:** |
| --- | --- |
| **Author** | Stacey Keyes / IM Provisioning Tools & Lifecycle |
| **Approvers** | <Approver’s Name>, SCCM Full Administrator / IM Provisioning Tools & Lifecycle |

| **Test Case Run #** | **Test Execution Start Date (*dd-mmm-yyyy*)** | **Test Execution End Date (*dd-mmm-yyyy*)** |
| --- | --- | --- |
| 1 |  |  |

|  | **Name(s) and Title(s)** | **Initials** | **Executed Steps**  **(*all or from… to…*)** | **Signature(s)** | **Date *(dd/mmm/yyyy)*** |
| --- | --- | --- | --- | --- | --- |
| **Tester(s)** | Loïc Darques, BladeLogic Solution Architect | LD | all |  |  |
| **Anomaly List** | N/A |  |  |  |  |

| **After Execution** | | **Name(s) and Title(s)** | **Conclusion (Pass/Fail)** | **Signature(s)** | **Date *(dd/mmm/yyyy)*** |
| --- | --- | --- | --- | --- | --- |
| **Author** | Stacey Keyes / IM Provisioning Tools & Lifecycle | | | | | |
| **Approvers** | Ward Lange / IM Provisioning Tools & Lifecycle | | | | | |
| **Comments** | |  | | | |
|  | |  | | | |

Version History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date *(dd/mmm/yyyy)*** | **Modification** | **Author** |
| 0.01 |  | Initial document | Stacey Keyes |
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# Test Case Description

| **Objectives and Scope** | Execute the install plan  Collect evidence for the following   * Pre execution data showing SCCM Systems with No Distinguished Name that have a valid computer record in Active Directory   Launch the scheduled task  Collect evidence for the following   * Log file showing remediation of missing SCCM data using Active directory * SQL Logging data export showing record(s) corresponding to the DDRs created by the script * SCCM data showing the missing distinguished name is now populated for the remediated computer * Post screen shot of a fixed client properties showing the SA\_Ext\_Disc agent provided data * Post screen shot of a fixed client properties showing the Distinguished Name is now populated |
| --- | --- |
| **Execution Acceptance** | All the steps are executed, all instructions are followed, and all anomalies are managed in accordance with the process specified in the Test Strategy. |
| **Execution Instructions** | The instructions for each requirement are identified in Section 2. |

Table : Objectives, Scope, Execution Acceptance and Execution Instructions

## Test Criteria

After each test is performed, the results are recorded in Section 2. The criteria to determine whether the tests meet a given conclusion are summarized in Table 2.

|  |  |
| --- | --- |
| **Conclusion** | **Criteria** |
| Passed | Test results are as expected. |
| Failed | Test results are not as expected, and are not acceptable. |

Table : Test Criteria

## Related Documents

If you wish to see the other documents for this change request, go to SharePoint folder

[http://wssamer.sanofi.com/ws/AutomationCenterProvTools/Documents/Forms/AllItems.aspx?RootFolder=%2Fws%2FAutomationCenterProvTools%2FDocuments%2FChange%20Requests%2FExtended%20System%20Discovery%20V3%20Oct%202016&FolderCTID=&View={65AF4D71%2d9CD0%2d4E51%2d8AE0%2d49D92284E32D}&InitialTabId=Ribbon%2EDocument&VisibilityContext=WSSTabPersistence](http://wssamer.sanofi.com/ws/AutomationCenterProvTools/Documents/Forms/AllItems.aspx?RootFolder=%2Fws%2FAutomationCenterProvTools%2FDocuments%2FChange%20Requests%2FExtended%20System%20Discovery%20V3%20Oct%202016&FolderCTID=&View=%7b65AF4D71%2d9CD0%2d4E51%2d8AE0%2d49D92284E32D%7d&InitialTabId=Ribbon%2EDocument&VisibilityContext=WSSTabPersistence)

## Glossary

Please refer to the IM Glossary for definitions of terms used in this document. The URL is as follows:

DN = Distinguished Name

[http://gie-intranet.pharma.aventis.com/PTS%20Glossary/Forms/AllTerms.aspx](file:///C:/PTS%20Glossary/Forms/AllTerms.aspx)

## Prerequisites

Test case steps assume familiarity with the SCCM system and MS Orchestrator

|  |  |
| --- | --- |
| **Verify the following configurations before proceeding with the test Plan** | **Verified (Yes/No)** |
| Test systems exist in this environment that meet both the “is Client” and “has CompanyAttributes” in AD requirements |  |
| There are no duplicate machine names in SCCM where the distinguished name is missing |  |
| The Install Plan has been executed successfully |  |
| Verify the SCCM\_EXT SQL DB named tbl\_ExtDiscLogging includes the new colums below SMSClientGUID varchar(64) DiscoveryMethod varchar(32) |  |
| D:\PowerShell\_Tasks\ExtendedSystemDiscovery folder exists and is populated with the files … ExtendedSystemDiscovery.ps1 ActiveDirectory.oip |  |
| A Scheduled Task exists with the name form the Environment table below with the peoperties below |  |
| General tab :Verify the following properties for the Scheduled Task are set the same as the Install Plan |  |
| General tab : Named according to the Task Name in the environment table below |  |
| General tab : Runs whether or not a user is logged on is enabled |  |
| General tab : Runs with Highest Privileges is enabled |  |
| General tab : Run Using Account according to the table below |  |
| General tab : Configured for Windows Vista / Windows Server 2008 mode |  |
| Triggers: Runs Daily, |  |
| Triggers: Start time is set according to the environment table below |  |
| Triggers: Stop if it runs longer than 4 hours |  |
| Action: Program value is PowerShell.exe |  |
| Action: Arguments value is set according to the arguments table below |  |

### **Scheduled Task Properties by Environment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Environment** | **Site Server** | **Site Code** | **Service Account** | **Task Name** | **Start Time** |
| PRE2PROD | XSNW10S629K | F01 | svc\_SCRB\_DEV | Extended System Discovery - PRE2PROD | 3PM |
| DEV | GISSSCCMDEV2 | T00 | svc\_SCRB\_DEV | Extended System Discovery - DEV | 6PM |
| PREPROD | XSNW10W142C | PP0 | svc\_SCRB\_TEST | Extended System Discovery - PREPROD | 9PM |
| PROD | XSPW10W200P | P00 | svc\_SCRB\_PROD | Extended System Discovery - PROD | 3AM |

### **Action Arguments defined by the environments values from the table above**

|  |  |
| --- | --- |
| **Environment** | **Action Arguments** |
| PRE2PROD | "D:\PowerShell\_Tasks\ExtendedSystemDiscovery\ExtendedSystemDiscovery.ps1" -SiteServer " XSNW10S629K " -SiteCode "F01"  -InstanceName "ExtendedSystemDiscovery-PRE2PROD" |
| DEV | "D:\PowerShell\_Tasks\ExtendedSystemDiscovery\ExtendedSystemDiscovery.ps1" -SiteServer " GISSSCCMDEV2 " -SiteCode "T00"  -InstanceName "ExtendedSystemDiscovery-DEV" |
| PREPROD | "D:\PowerShell\_Tasks\ExtendedSystemDiscovery\ExtendedSystemDiscovery.ps1" -SiteServer " XSNW10W142C " -SiteCode "PP0"  -InstanceName "ExtendedSystemDiscovery-PREPROD" |
| PROD | "D:\PowerShell\_Tasks\ExtendedSystemDiscovery\ExtendedSystemDiscovery.ps1" -SiteServer " XSPW10W200P " -SiteCode "P00"  -InstanceName "ExtendedSystemDiscovery-PROD" |

# Pre Execution Test Plan

## Capture the following evidence prior to execution of the Install Plan

| **Step #** | **Steps** | **Expected Results** | **Actual Results / Associated Documents ref.** | **Conclusion** | **Tester’s Initials / Date (dd-mmm-yyyy)** |
| --- | --- | --- | --- | --- | --- |
|  | Identify 4 test systems to be used for verification that have Active Directory records in a discovered domain  TestSystem1   * Has an SMS Unique Identifer in its client properties * CompanyMachineAttributes are empty   TestSystem2   * Does NOT have an SMS Unique Identifer in its client properties * CompanyMachineAttributes are empty     TestSystem3   * Has an SMS Unique Identifer in its client properties * CompanyMachineAttributeCategory is NON-STANDARD   TestSystem4   * Does NOT have an SMS Unique Identifer in its client properties * CompanyMachineAttributeCategory is NON-STANDARD | Test system identified | Test systems listed below | 🗹 Pass  🞎 Fail |  |
| 2. | Using the SYSTEM\_DISC table in SQL, edit the discovery data in the table for the selected test systems as follows:  **ALL test systems** : Delete the distinguished name  **TestSystem3 & TestSystem4** : Delete any values in the companyAttributeMachineCategory or the companyAttributeMachineType properties | The discovery records in SCCM SQL have been modified in SQL for the test systems | The discovery records in SCCM SQL have been modified in SQL, evidence saved  See evidence 2. | 🗹 Pass  🞎 Fail |  |

# Execute the Install Plan

Execute the Install Plan from the CRQ documentation and wait at least 30 minutes for SCCM to process the data before collecting post evidence

# Post Execution Test Plan

 Test plan to be executed at least 30 minutes after execution of the install plan

| **Step #** | **Steps** | **Expected Results** | **Actual Results / Associated Documents ref.** | **Conclusion** | **Tester’s Initials / Date (dd-mmm-yyyy)** |
| --- | --- | --- | --- | --- | --- |
| 3 | From the System\_DISC table in SQL, collect data evidence for the test systems showing that their distinguished name is now populated and that the company attributes have been updated to reflect their AD value for test systes 3 & 4 | Post execution data saved showing the selected test systems now have a distinguished name in SCCM and the company attributes have been populated with values from AD for TestSystem3 and TestSystem4 | SCCM data has been successfully updated in SQL  See Evidence 3. | 🗹 Pass  🞎 Fail |  |
| 4. | Save a copy of the ExtendedSystemDiscovery.Log and identify the entries that show the DDR being created for the test systems | Log saved and log entries identified | Log saved with entries showing DDRs were created for the test systems | 🗹Pass  🞎 Fail |  |
| 5. | Export of data from the table tbl\_ExtDiscLogging in the SCCM\_EXT database saved in Excel showing which systems had their Distinguished Name fixed. | Time stamped SQL data saved showing pre-SCCM data and the AD data that replaced it | SQL data saved showing entries for the test systems SCCM data and replacement AD data | 🗹Pass  🞎 Fail |  |
| 6. | Verify that no Duplicate records have been created in the System\_DISC table for the test systems | No duplicate records have been created |  |  |  |

# Test Evidence

| **Step #** |  |
| --- | --- |
| 1. |  |
| 2. |  |
| 3. |  |
| 4. |  |
| 5. |  |
| 6. |  |
|  |  |

# Appendix A : SQL Query to identify systems with missing distinguished name

SELECT ItemKey, Netbios\_Name0, Client0, SMS\_Unique\_Identifier0, Distinguished\_Name0, companyAttributeMachineTy0, companyAttributeMachineCa0

FROM dbo.System\_DISC

WHERE (Distinguished\_Name0 IS NULL OR

Distinguished\_Name0 = N'' OR

Distinguished\_Name0 = N' ')