# WelchAllyn

## Technical Service Bulletin

## *PATIENT MONITORS  SYSTEMS*

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## Bulletin Type: **AS NEEDED**

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|---|---|
| **Subject:** | **TSB-CONNEX VM 2.0 DATA PURGE** |
| **CAR Number:** | N/A |
| **Distribution Scope:** | WA Internal |
| | Field Service, WA Technical Support, Product Service, & International Service Centers |
| **Product(s) Referenced:** | Connex VM |
| **SW Version:** | 2.0 and 2.0.1 |
| **Summary:** | Some Connex VM system installs may need an on-site database clean-up (purge) prior to customer use in order to remove test data present on the system.  These instructions and scripts are used to prepare such systems for customer use by removing the unnecessary test data from the Connex VM database. |
| **Issue:** | The Connex VM system needs to be configured and tested on-site before for customer use.  This testing may require removing test data from the system while retaining necessary configuration and account information specific to the facility. |
| | These purge scripts are intended to be used within any supported SQL server version as specified by the Connex VM Technical Specification (80016022) including MS SQL Server Management Studio to remove data |

from the Connex VM system so that the system databases are placed into a default installed state while retaining configuration and user account information.

    a. **VM 2.0 Customer Purge.sql** - removes all patients and captured vitals from the WA database

    b. **CleanEIEDB-VM2.0.sql** - removes all records from the EIE database, except those in the DataMap table

    c. **Verify_CleanEIEDB-VM2.0.sql** - verifies patients and captured vitals were removed from the WA database

    d. **Verify_VM 2 0 Customer Purge.sql** - verifies patients and captured vitals were removed from the WA database

**Action:** Complete the instructions listed in this TSB, as needed, executing the scripts to remove existing data on Connex VM systems that are transitioning from test to customer use.

**Reference to Standards:**
- 21 CFR Part 820, ISO 13485, MPD SOP-0002
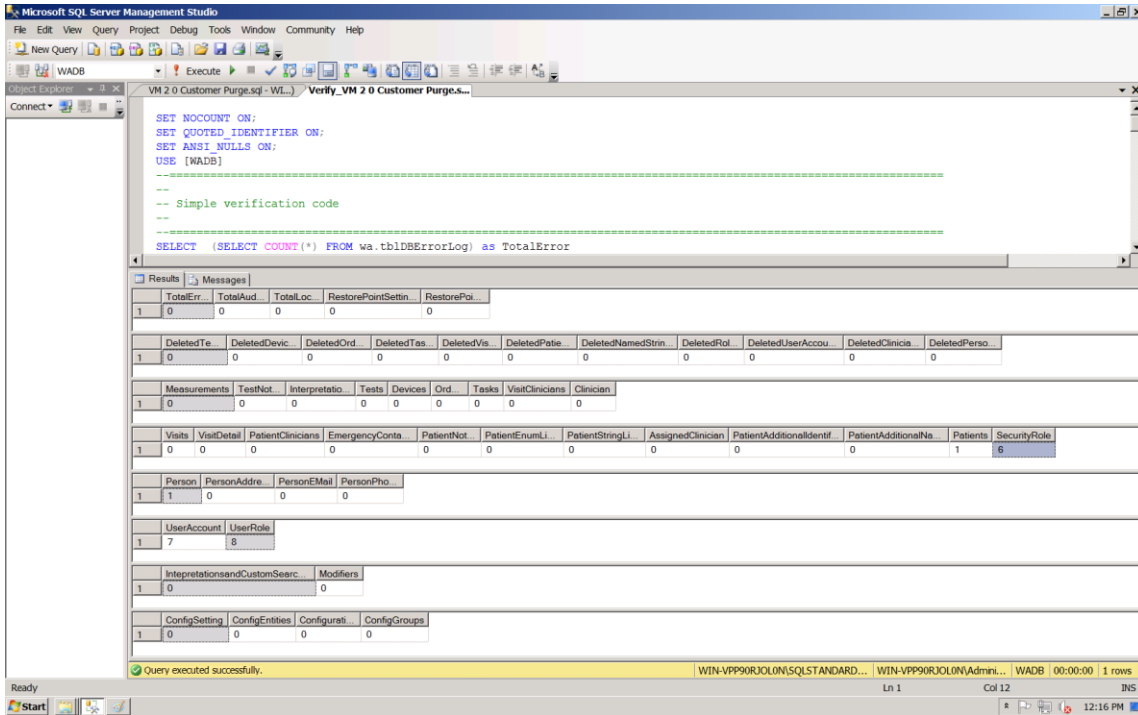
**Required Training:** N/A

**Required Tools:**

1. MS SQL Server Management Studio (should already be installed on system)

2. VM DATABASE PURGE SCRIPS zip files (DIR **20013496**)

    • **VM 2.0 Purge scripts.zip**

    • **20013496 Connex VM 2.0 purge verification scripts.zip**

    • **CleanEIEDB-VM2 0.zip**

**Procedure:** Save the zipped script files (obtained from DIR **20013496**) on the computer needing the purge. The zip files should contain the following scripts:

1. *CleanEIEDB-VM2 0.sql*
2. *VM 2 0 Customer Purge.sql*
3. *Verify_CleanEIEDB-VM2.0.sql*
4. *Verify_VM 2 0 Customer Purge.sql*

**Note:** A system failure during this process could leave the database in a corrupt or indeterminate state, the scripts cannot be re-executed. If this occurs, the software may need reloading or repair.
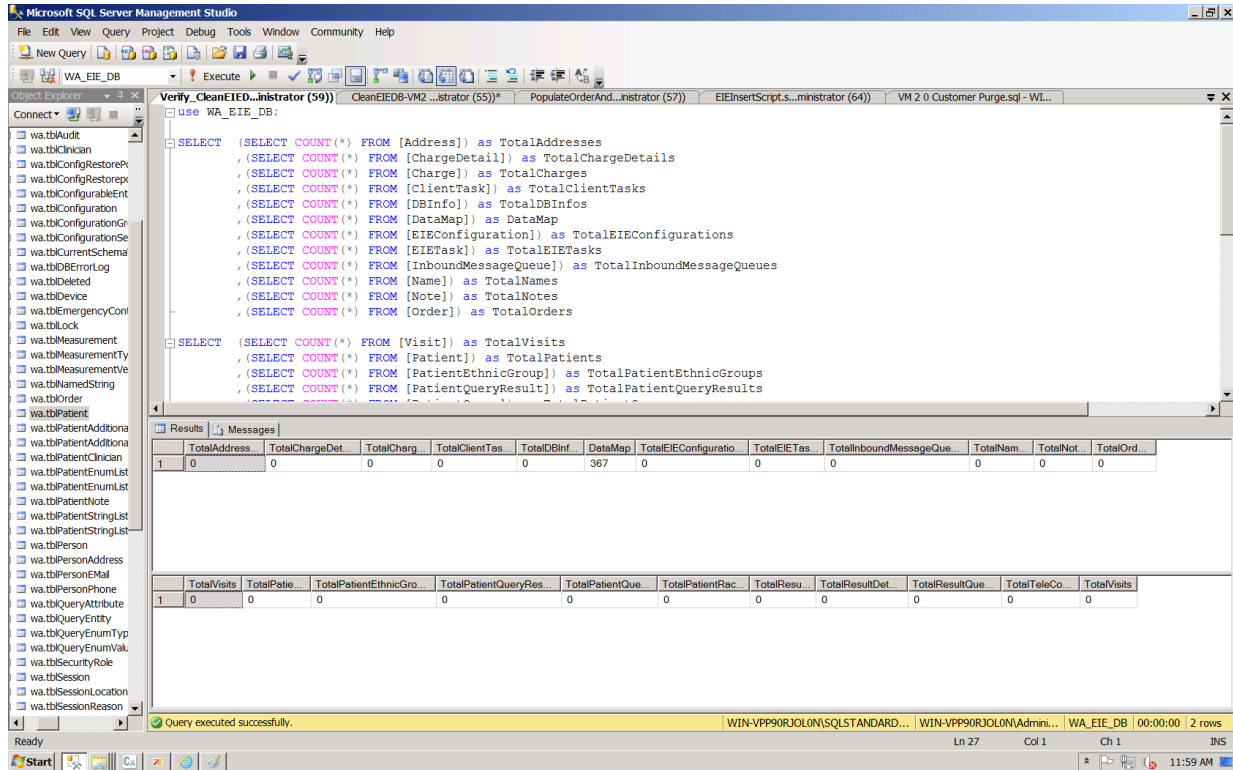
1. Download and unzip the files on the system to be purged.

2. Open the SQL Server Management Studio and connect using the appropriate authentication.

3. In the SQL Server Management Studio window, open the file *VM 2 0 Customer Purge.sql*. Execute script.

4. In the SQL Server Management Studio window, open the file *Verify_ VM 2.0 Customer Purge.sql*. Execute script.

**5.** Viewing the screen, confirm the data is purged by noting record counts:

| | |
|---|---|
| 1. **TotalError** is zero | 14. **Orders** is zero |
| 2. **TotalAudits** is zero | 15. **Tasks** is zero |
| 3. **TotalLocks** is zero | 16. **VisitClinicians** is zero |
| 4. **RestorePoints** is zero | 17. **Visits** is zero |
| 5. **DeletedTests** is zero | 18. **VisitDetail** is zero |
| 6. **DeletedVisits** is zero | 19. **PatientNotes** is zero |
| 7. **DeletedPatients** is zero | 20. **PatientEnumLists** is zero |
| 8. **DeletedRoles** is zero | 21. **PatientStringLists** is zero |
| 9. **DeletedUserAccounts** is zero | 22. **AssignedClinician** is zero |
| 10. **DeletedPersons** is zero | 23. **PatientAdditionalIdentifier** is zero |
| 11. **Measurements** is zero | 24. **PersonAddress** is zero |
| 12. **Tests** is zero | 25. **PersonEMail** is zero |
| 13. **Devices** is zero | 26. **PersonPhone** is zero |

**Clinician** will not be zero
**Patients** will not be zero
**Person** will not be zero
**UserAccounts** will not be zero
**UserRole** will not be zero

**Note:** Any deleted **UserAccounts** will be *removed* during this process.

**6.** In the SQL Server Management Studio window, open the script file ***CleanEIEDB-VM2 0.sql***. Execute script.

**7.** In the SQL Server Management Studio window, execute the script file ***Verify_CleanEIEDB-VM2.0.sql***. Execute script.



**8.** Viewing the screen, confirm the data is purged by noting record counts.

| | |
|---|---|
| a. **TotalAddresses** is zero | k. **TotalOrders** is zero |
| b. **TotalChargeDetails** is zero | l. **TotalVisits** is zero |
| c. **TotalCharges** is zero | m. **TotalPatients** is zero |
| d. **TotalClientTasks** is zero | n. **TotalPatientEthnicGroups** is zero |
| e. **TotalDBInfos** is zero | o. **TotalPatientRaces** is zero |
| f. **TotalEIEConfigurations** is zero | p. **TotalResults** is zero |
| g. **TotalEIETasks** is zero | q. **TotalResultDetails** is zero |
| h. **TotalInboundMessageQueues** is zero | r. **TotalResultQuerys** is zero |
| i. **TotalNames** is zero | s. **TotalTeleComs** is zero |
| j. **TotalNotes** is zero | |

**DataMap** will not be zero

**9.** Delete these scripts and the zip files. They should not be left on the customer's system.

**Quality Documents:**     **All service centers using SAP to record service transactions:** For each product serviced, record the service activity in SAP.

**All other service centers and Field Service:** For each product serviced, complete and file a service report and attach to the service DHR.

**Notes:**

1. Contact the Welch Allyn Complaints Department to initiate or process a medical device complaint resulting from this or other issues.
2. Drawings, illustrations, and part numbers in this document are for reference purposes only and subject to change.

## End of Bulletin

| Revision History | | | | | |
|---|---|---|---|---|---|
| **Version** | **Description** | **Change #** | **Init** | **Release Date** | **Appr** |
| A | Initial Release | N/A | D* | D* | D* |
| **D\*** SEE SAP DIR FOR CHANGE NUMBER, APPROVER NAME AND DATE OF APPROVAL | | | | | |