VigiLanz Connect Cerner Instructions

VigiLanz Corporation
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Cerner Services Setup Overview

A technical guide to getting Cerner Services installed and operational on a single server. This is intended for technical resources familiar with Cerner and CCL/MPages.

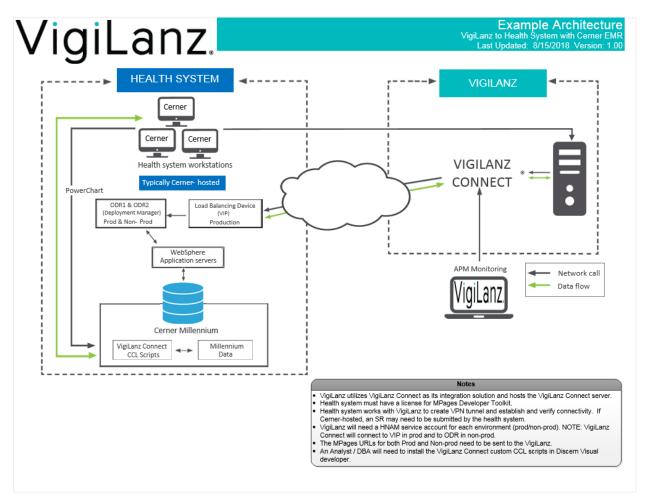
Please verify with CernerWorks if your site is Cerner hosted or with your site's Cerner CCL/MPages technical leader to ensure the following pre-requisites within this Install Instruction guide have been met prior to proceeding.

Installation Guide Information includes:

- 1) Architecture Diagram
- 2) Account access,
- 3) Installation.

Architecture Diagram

The integration solution consists of the digital health partner's application making a request to the VigiLanz Connect middleware server which in turn calls the Health System's ODR or Load Balancing Device which then calls the WebSphere Application Servers along with the VigiLanz Connect CCL Scripts. The below diagram is an example of the architecture:



Before Getting Started

Before getting started, please review the bullets below to ensure the following Cerner package, Licenses, Servers and Environments are in place and ready for VigiLanz Connect installation:

- ✓ Confirm Cerner package 87399 (or its equivalent) is already installed.
- ✓ Proper license to MPages development Toolkit (PS-22700).
- ✓ Install & Deploy Discern Web Services on a non-production and production WebSphere application server.
 - The Discern MPages URLs must be provided to VigiLanz. This would be an example:

http://<IP of VIP or ODR

server>/discern/<domain>.<site_mnemonic>.cernerasp.com/mpages/reports

- ✓ Ensure the person (typically a Cerner Millennium analyst) that will perform the installation has DBA access (or equivalent approved role).
 - The Cerner Millennium analyst must have the ability to include CCL programs with GROUP0 in Discern Visual Developer (front-end accounts for GROUP0) or backend CCL.

Environment Considerations (Non-Production / Production)

It is recommended that customers set up standard non-production environment separate from the production environment for the purposes of testing prior to going live in production.

User Access and Accounts

To provide full support for VigiLanz Connect and underlying CCL programs, the following access is required:

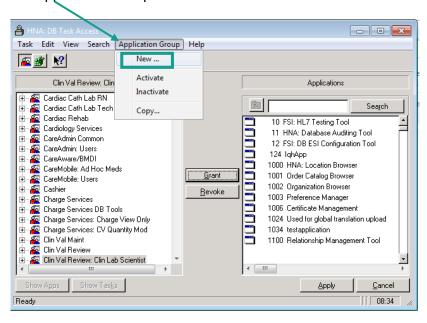
NOTE: If account request forms are required, please send them to the implementation project manager at VigiLanz.

1. HNAM User Account: Create new HNAM User Account with a position code (e.g. IT Analyst, Support Analyst, etc.) appropriate for non-production and production support access to Millennium® applications.

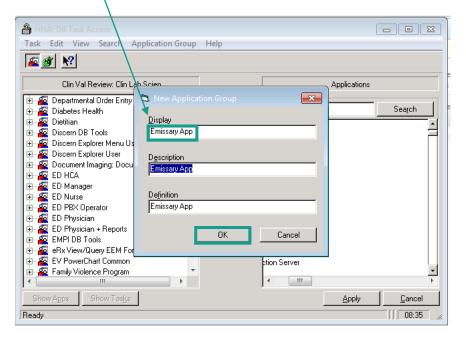
Account Type	Environment(s)	Purpose
The following HNAM User Account setup is required for any 3 rd party to authenticate and authorize CCL programs through Cerner Discern Web services: 1) TaskAccess.exe 2) CoreCodeBuilder.exe 3) HNAUser.exe	- Non-Production - Production	Testing and Support
Note : These steps are only required for 3 rd party systems that will not pass along named user accounts for users already built within HNAUser. Please follow the steps below to set up the HNAM User Account.		

Account Steps:

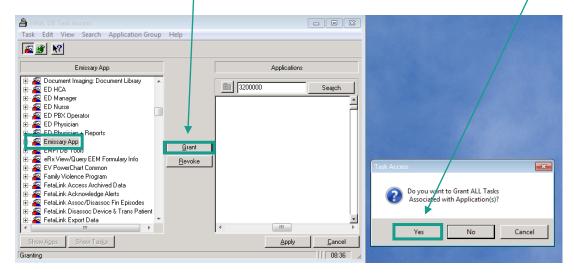
- 1. TaskAccess.exe
 - a) Create a new Application Group:



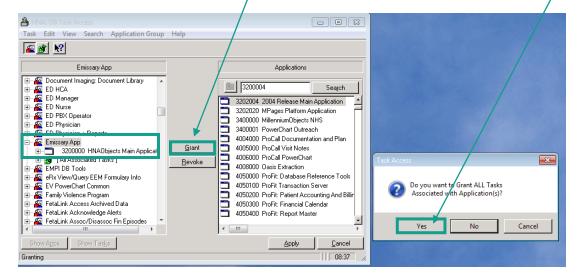
b) Name the new Application Group: "Emissary App" (if it doesn't already exist), click "OK":



c) For the **Emissary App**, click "Grant" and the Task Access box will pop up. Then, click "Yes" to Grant ALL Tasks Associated with Application(s):



d) For the **Emissary App, 320000**, click "Grant" and the Task Access box will pop up. Click "Yes" to Grant ALL Tasks Associated with Application(s):

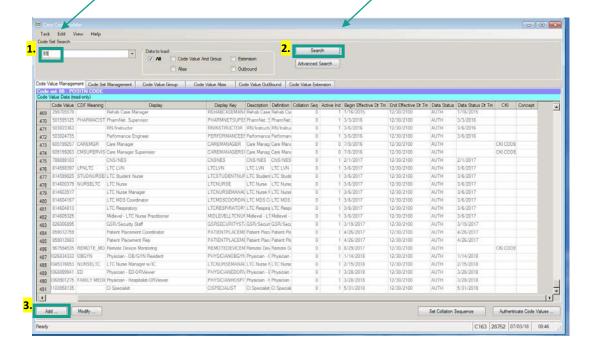


2. CoreCodeBuilder.exe

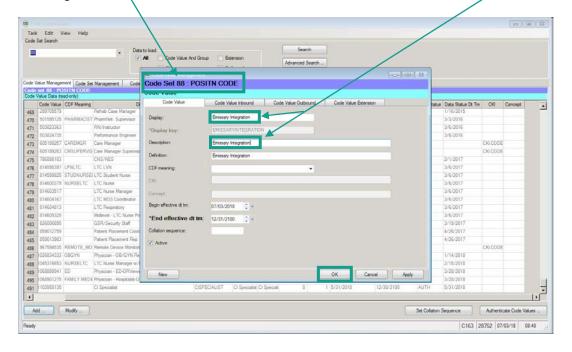
button;

a) Open the "CoreCodeBuilder.exe":

Then, enter "88" in the "Code Set Search" text box, click Search. Search for the
"Emissary Integration" in the Display Field. If it doesn't already exist, click the "Add"

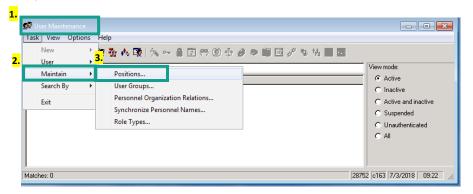


b) In the "Code Set 88 : POSITN CODE", create a Display and Description of "Emissary Integration" then click "Ok":

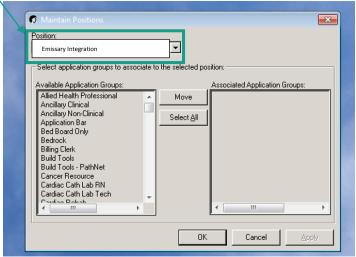


3. HNAUser.exe:

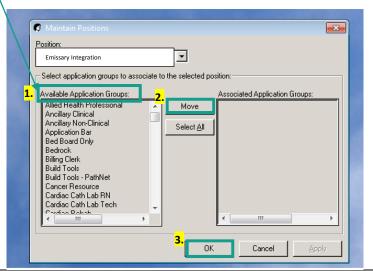
a) Create a new 3rd party user for the application that will integrate through Emissary: In the "User Maintenance" window Task in the Toolbar, select "Maintain" and then "Positions":



b) In the "Maintain Positions" Window, select the position "Emissary Integration" from the Position drop-down menu:



c) In the "Available Application Groups" window, click the "Emissary App" and "Move" to the "Associated Application Groups", then click "Ok":



d) Add a new User with the following characteristics:

Username: vigilanzLast Name: VigiLanzFirst Name: SYSTEM

Position: Emissary Integration

• Password: (coordinate and share only with 3rd party personnel)

- Privileges: Un-Check most (if not all) of the privileges listed. This will restrict any domain-level privileges unnecessary for the system account.
- Restrictions:
 - ✓ Check: Password may not be changed in privileges/restrictions
 - ✓ Un-Check: Pre-expire password anytime password is set in HNAUser

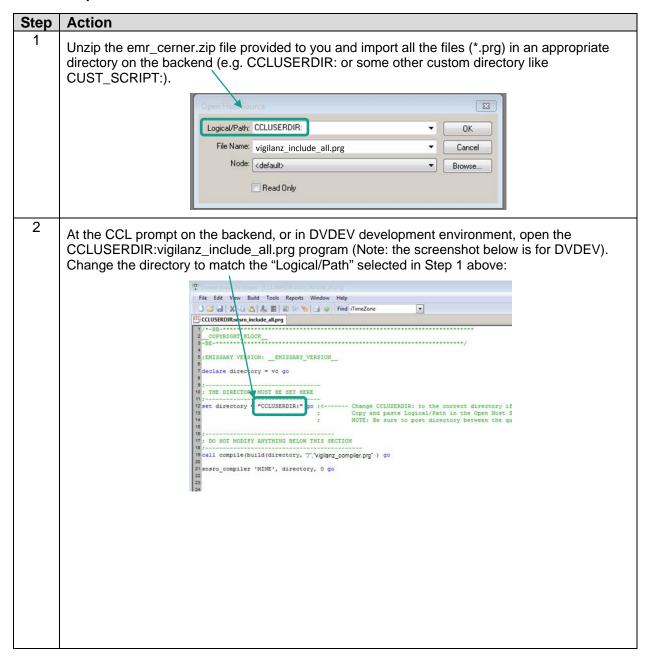
Installation

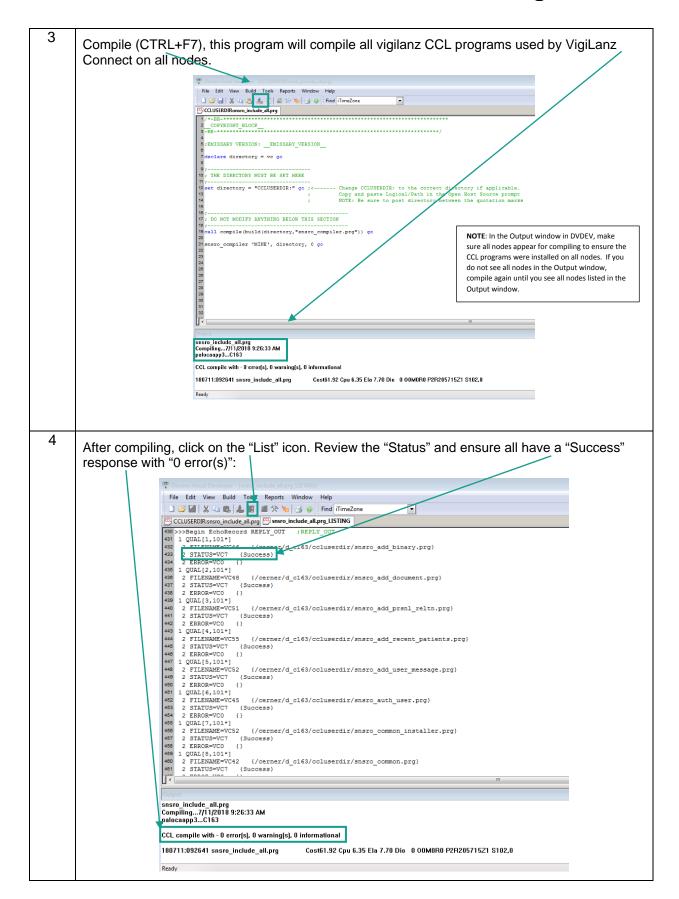
CCL Installation and Updates:

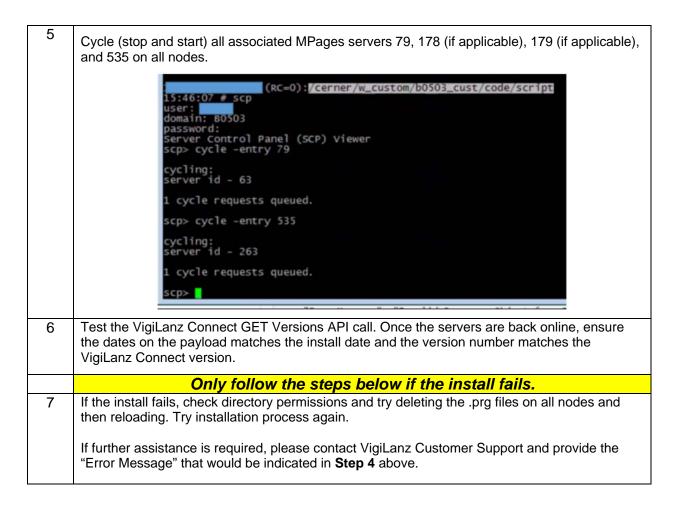
Installation and updates are typically performed by a CCL developer/analyst, but may hold a different title or role depending on organization. The individual performing the installation must have access to copy the files specified below to either the CCLUSERDIR or custom directory. The following steps in pages 12 and 13 will provide the CCL script inclusion process for the VigiLanz Connect application.

Note: For subsequent release updates, there is no need to delete anything before installing the updated CCL scripts.

Install Steps





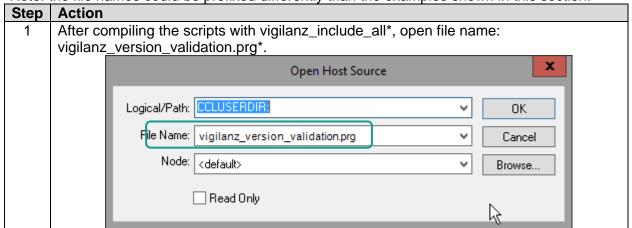


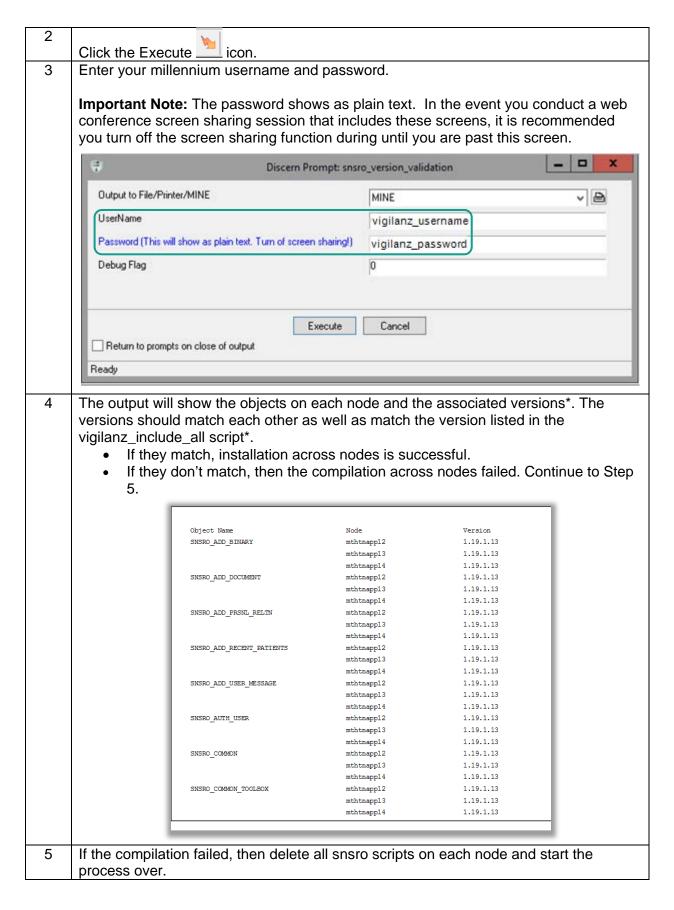
Validation

Version Validation Instructions:

After you have compiled the CCL scripts, follow these instructions to confirm that the versions match across nodes.

*Note: the file names could be prefixed differently than the examples shown in this section.





Subsequent CCL Update Installation

Each time a new VigiLanz Connect Release Update package is sent, the most recent version of these instructions will be included. Follow the same steps as the initial installation instruction to overwrite the necessary files. There is no need to delete anything before installing the updated CCL Files.

<u>Important Note</u>: Prior to updating the latest Release, please confirm with your VigiLanz Connect Server Hosting Organization they have updated their VigiLanz Connect Middleware with the latest version.