VistA Scheduling Enhancements (VSE)

Deployment, Installation, Backout, and Rollback Guide (DIBR)

for VS GUI Release 1.7.31.2
with Associated VistA Patch SD*5.3*825

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Revision History

Date	Version	Description	Author
10//12/2022	1.0	Final Version	Liberty ITS
10/06/2022	0.1	Baseline for VS GUI R1.7.31.2 and SD*5.3*825	Liberty ITS

Artifact Rationale

This document describes the deployment, installation, backout, and rollback plan for new products going into the VA Enterprise. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities involved in all those activities. Its purpose is to provide clients, stakeholders, and support personnel with a smooth transition to the new product or software, and should be structured appropriately, to reflect particulars of these procedures at a single or at multiple locations.

Per the Veteran-focused Integrated Process (VIP) Guide, the deployment, installation, backout, and rollback plan is required to be completed prior to Critical Decision Point #2 (CD2), with the expectation that it will be updated throughout the lifecycle of the project for each build, as needed.

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1. Introduction

This DIBR Guide describes how to deploy, install, back out and roll back Release 1.7.31.2 of the Veterans Health Information System and Technology Architecture (VistA) Scheduling (VS) Graphical User Interface (GUI) and associated patch(es).

1.1. Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom VS GUI Release 1.7.31.2 will be deployed and installed. It describes how it is to be backed out and rolled back, if necessary.

1.2. Dependencies

Table 1 details the VistA Patch dependency(ies) for VS GUI Release 1.7.31.2.

Table 1: Dependencies

Patch	Application	Purpose/Need
SD*5.3*825	VS GUI	Install prior to deploying the GUI update

1.3. Constraints

VS GUI Release 1.7.31.2 is a local installation executable designed to run on Windows platforms. It functions by connecting to a single VistA instance. Installers must have Administrative privileges for the appropriate location for installation.

Depending upon which user model a site uses, possible installation locations for VS GUI Release 1.7.31.2. are:

1. The local desktop
2. The Citrix Access Gateway (CAG) desktop
3. The GoldStar Virtual Machine (VM)

There are no additional security or access requirements for installation to a Windows environment.

2. Roles and Responsibilities

Deployment and installation activities are performed by representatives from the teams listed in Table 2.

Table 2: DIBR Roles and Responsibilities

Team	Phase/Role	Tasks
VSE Project Manager (PM)	Deployment	Plan and schedule deployment (including orchestration with vendors)
Test Sites	Production Testing	Test for operational readiness and provide concurrence

Team	Phase/Role	Tasks
VSE Release Manager	Deployment	Ensure the collection of all VIP artifacts required for deployment
VSE Release Manager	Deployment	Confirm project is ready for national release
Regional Enterprise Service Line (ESL) Staff (Former Regional OIT Staff)	Installation	Regional ESL staff will install the associated patches that pair with the VS GUI. They also install the VS GUI into VACS (or similar technology)
Office of Veteran Access to Care (OVAC)	Installation	Coordinate training

3. Deployment

Deployment of VS GUI Release 1.7.31.2 with associated patch SD*5.3*825 is planned as a national release. The GUI installation package is deployed via updates to application files and shortcuts in each site's VistA Consolidated Servers (VACS) location. The GUI will be available in SOFTWARE repository for installation into the sites' VACS folder, while the associated VistA patch for Legacy VistA is deployed via FORUM. Load time will vary by location, ranging from minutes to a few hours. Information Technology Operations and Service (ITOPS) provides deployment support to the local sites.

The VSE schedule with milestones for the deployment can be found on the VSE PMO SharePoint site.[1]

3.1. Timeline

The plan for deployment and installation is for the sites to coordinate with the regional ESL team.

The deployment and installation should be done during non-peak hours. Please select 'No' if prompted to DISABLE scheduling functions, menu options, and protocol. Please see the VistA patch description for patch deployment and installation instructions.

The deployment and installation are scheduled to run for approximately ten (10) business days. This is determined by the compliance date listed in the patch description. The GUI update and associated patch(es) should be installed in the Pre-Production environment first. Once the sites have successfully installed and deployed the software in their Pre-Production environments and user desktops, sites should begin installing the software in its Production environment.

3.2. Site Readiness Assessment

All field locations will receive the GUI installation package via the SOFTWARE directory for installation into VACS (or similar technology) and the associated VS patch(es) from FORUM.

[1] Access to the VSE PMO SharePoint site is restricted and must be requested.

3.2.1. Deployment Topology (Targeted Architecture)

The VS GUI Release 1.7.31.2 package consists of both VistA Massachusetts General Hospital Utility Multi-Programming System (MUMPS or M) code and Windows workstation .msi installation files.

The installation .msi is used to install the Windows executable for the VS GUI. It is then installed into a sites VACS folder. The distribution of access to the executable is the responsibility of OIT leadership at the VistA parent facility. It is strongly recommended that the executable be physically installed on each workstation to prevent errors arising from launching the application from an executable on a shared location.

3.2.2. Site Information (Locations, Deployment Recipients)

Site information, such as the Internet Protocol (IP) address, port number, and namespace of the Production environment, will differ at each VistA instance. Local site OIT personnel, working with local scheduling representatives, will determine the recipients of the VS GUI software. The expectation is that the VS GUI software will be deployed on all scheduling representatives' workstations at each facility.

3.2.3. Site Preparation

The VS GUI Release 1.7.31.2 Version Description Document (VDD) and SD*5.3*825 Patch Description include a list of required patches and a summary of the installation order and will prepare each site for installation. Patches are released on the same day and in the installation order stated in the patch descriptions.

3.3. Resources

There will be a daily Initial Operating Capability (IOC) call set up for sites conducting IOC testing to support the personnel who are testing the product, should they encounter installation/deployment issues. If a site experiences issues during deployment, they should contact the VA Enterprise Service Desk (ESD) and submit a ServiceNow (yourIT) ticket to the work group **VSE GUI T3**. Once submitted, the VSE project team is alerted, and will then be able to provide targeted troubleshooting support during the daily IOC call.

Supporting documentation for VS GUI Release 1.7.31.2 is available on the VA Software Document Library (VDL).

3.3.1. Hardware

There are no required changes to hardware for the VS GUI to function at each site.

3.3.2. Software

The VS GUI application has a dependency on Microsoft's (MS) .NET Framework version 4.0 or higher. Each workstation running the application must have version 4.0 or higher to run the VS GUI application.

3.3.3. Communications

The primary objective of the communication plan is to ensure timely dissemination of information across the Integrated Project Team (IPT) and stakeholders. Communication ensures schedules are aligned and project milestones are met.

Project milestones are shared with VA executives and external organizations. The goal is to notify the right audience at the right time, using the appropriate communication method(s).

Table 3 identifies key communication items, a description of each, the initiator/owner of each item, the intended audience, and the method(s) used to disseminate information.

Table 3: Key Communication Items

Key Communication	Goal/Description	Initiator/Owner	Audience	Communication Method(s)
Installation instructions and support	Provide site requirements, instructions, and installation support	OIT	IT/Operation site managers	Daily calls during IOC testing, monitor installations by site up to the compliance date
Deployment schedule	Identify key dates and milestones by site	OIT	IPT and stakeholders	Daily calls during IOC testing, monitor installations by site up to the compliance date
Training	Communicate status of training development, who is being trained, and when	OVAC	IPT and stakeholders	OVAC SharePoint site, daily deployment calls, deployment schedule

3.3.3.1. Deployment/Installation/Backout/Rollback Checklist

Table 4 details the DIBR checklist items.

Table 4: Deployment, Installation, Backout, and Rollback Checklist

Activity	Day	Time	Individual who completed task
Deploy	TBD	< 5 minutes	VSE PM
Install	TBD	< 5 minutes	Regional ESL Staff (Former Regional OIT Staff)
Backout	TBD	< 5 minutes	Regional ESL (Former Regional OIT Staff)
Rollback	TBD	< 5 minutes	Regional ESL (Former Regional OIT Staff)

4. Installation

The following subsections provide installation details.

4.1. Pre-installation and System Requirements

The following pre-installation conditions must be met prior to the deployment of VS GUI Release 1.7.31.2:

- All facilities deploying the updated VS GUI release have a fully patched VistA account
- Patch(es) associated with the updated VS GUI release are installed by the compliance date
- OVAC has provided a training plan prior to the deployment date
- The target workstations must have MS .NET Framework 4.0, or higher, installed
- Any previous version of VS GUI must be fully uninstalled from the Windows Control Panel or Windows Settings (Apps section)

4.2. Platform Installation and Preparation

There are no required changes to hardware or software for the updated VS GUI to function at each site.

4.3. Download and Extract Files

The procedures for downloading and extracting files for the installation of the updated VS GUI are unchanged from earlier releases.

Once the VS GUI .msi installation package has been downloaded and a workstation, shared drive, or VM has been targeted for installation, the .msi is launched by double-clicking the file and following the installation wizard. The installation wizard will prompt the installer for the target VistA host/IP, port, and namespace.

Please reference Appendix A for a list of files produced from running the MSIs.

4.4. Database (DB) Creation

Not applicable to the installation of the updated VS GUI.

4.5. Installation Scripts

There are no installation scripts. Follow the instructions provided in the SD*5.3*825 Patch Description.

4.6. Cron Scripts

Not applicable to the installation of the updated VS GUI.

4.7. Access Requirements and Skills Needed for the Installation

The installer must have the authority and access to install VistA patches and GUI software. The installer must have Administrative access to the target workstation to run the .msi installation package, at a minimum.

4.8. Installation Procedures

Follow the instructions provided in the SD*5.3*825 Patch Description.

4.9. Installation Verification Procedures

Verify the installation of the updated VS GUI by:

1. Ensuring that users can access the system
2. Ensuring that users see the correct version number displayed on the login screen
3. Confirming that users can access the newly installed software
4. Verifying that the application works as expected

4.10. System Configuration

There are no system configuration changes needed.

4.11. DB Tuning

Not applicable to the installation of the updated VS GUI.

5. Backout

5.1. Backout Strategy

The backout strategy is to uninstall the currently deployed VS GUI application and restore the previously deployed version of the VS GUI application.

5.2. Backout Considerations

Following are checkpoints to consider when determining if the software needs to be backed out:

- The software functionality has been validated in Pre-Production (Mirror/Test) environment at the IOC sites
- The software was validated in the Pre-Production environments at the VA Medical centers prior to installation in Production
- The associated patch installations were conducted in the proper sequence
- The patch description was reviewed to verify that the software was installed correctly
- The patch description and/or the User Guide were used to determine if the software is functioning properly

5.2.1. Load Testing

Not applicable to the installation of the updated VS GUI.

5.2.2. User Acceptance Testing (UAT)

UAT is performed by OIT personnel during IOC testing to ensure the patch and/or updated GUI does not interfere with normal system operations. UAT begins in the Pre-Production

environment with a copy of the existing Production system, but with only test users and a deidentified DB for testing purposes.

When the site has completed its testing and any identified issues have been resolved, the code is moved to the Production environment and is monitored closely to see if there is any degradation in the functionality. Once any identified issues have been resolved, the application passes UAT and is approved for National Release.

5.3. Backout Criteria

If, in the process of testing either in the test or Production environments, the functionality, performance, or usability of the application falls below the minimum standard necessary to provide care to Veterans, site management may decide to back the application out. This step is never taken lightly and is only taken if it is believed that the care and treatment of Veterans will be compromised.

5.4. Backout Risks

The following are the risks of backing out the VS GUI:

- Previous versions of the GUI may not remove all associated files and remains under the Add/Remove section of Windows
- Functionality that was added to the application in the new release will be removed
- Fixes that the new release resolved will be removed
- The status of some patient appointments may require manual fixes at the programmer level
- If the backout was authorized due to a data problem, there is a potential that patient data could be compromised

5.5. Authority for Backout

The authority to determine the necessity for a backout and the approval of a backout varies by location.

5.6. Backout Procedures

Installers with Administrative access can back out the installation process manually by following these steps:

1. Open Windows Settings
2. Click on Apps
3. Find VistA Scheduling GUI
4. Click on VistA Scheduling GUI
5. Select Uninstall

Schedulers who have the VS GUI application installed on their desktops and want it removed should follow the software removal procedures set by their local facility. This may include submitting a ServiceNow (yourIT) ticket to the VA ESD.

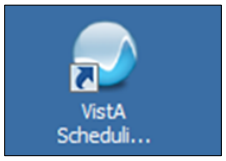
NOTE: Please review the specific patch description for a VistA patch for backout instructions.

To continue using the application, install the previous version of the VS GUI by using the previous installation instructions for that specific release.

5.7. Backout Verification Procedures

Once the update has been backed out, the icon for the VistA Scheduling shortcut (Figure 1) will be removed from the previous location.

Figure 1: VistA Scheduling Desktop Shortcut



6. Rollback Procedures

Appointed site staff can run the standard patch removal tool to back out the patch(es). If a site determines that a roll back is required, a ServiceNow ticket should be registered with the VA ESD for assistance with a rollback.

6.1. Rollback Considerations

Following are checkpoints to consider when determining if the software needs to be rolled back:

- Conduct a check of the Transport Global backup
- Validate the checksum(s)
- Check ServiceNow for the submission of previous VA ESD ticket resolutions

6.2. Rollback Criteria

The criterion for rolling back to the previous version of the VS GUI is that the application is not performing as expected.

6.3. Rollback Risks

The following are the risks of rolling back to the previous version:

- Previous versions of the GUI may not remove all associated files and remains under the Add/Remove section of Windows
- Functionality that was added to the application in the new release will be removed
- Fixes that the new release resolved will be removed
- The status of some patient appointments may require manual fixes at the programmer level
- If the backout was authorized due to a data problem, there is a potential that patient data could be compromised

- Data changes to files cannot be rolled back and will need to be made via a new patch and post install-routine

6.4. Authority for Rollback

The decision to roll back the VS GUI is reached mutually among various stakeholders.

6.5. Rollback Procedures

Once approval for a rollback has been obtained, follow the procedures detailed below to roll back to the previous version of the product.

Locate the results from your site's Transport Global backup, done prior to installing the patches. The Transport Global backup creates a record of any routines exported with the installed patches. It will not back up any other changes, such as Data Dictionaries (DD) or templates.

6.6. Rollback Verification Procedures

Once the rollback is complete, the OIT programmer should manually verify that the GUI and VistA patch rollback was successful. Verification is performed by opening the application and having the user ensure that the application is performing as expected. When rollback is complete, validate the previous version of the GUI displays.

A. Acronyms and Abbreviations

Table 5 details acronyms and abbreviations used in this document.

Table 5: Acronyms and Abbreviations

Acronym	Definition
CAG	Citrix Access Gateway
CD2	Critical Decision Point #2
DB	Database
DD	Data Dictionaries
DIBR	Deployment, Installation, Backout and Rollback
ESD	Enterprise Service Desk
ESL	Enterprise Service Line
GUI	Graphical User Interface
IOC	Initial Operating Capability
IP	Internet Protocol
IPT	Integrated Project Team
ITOPS	Information Technology Operations and Service
MS	Microsoft
MUMPS or M	Massachusetts General Hospital Utility Multi-Programming System
OIT	Office of Information and Technology
OVAC	Office of Veteran Access to Care
PM	Program Manager or Project Manager
UAT	User Acceptance Testing
VA	Department of Veterans Affairs
VACS	VistA Consolidated Servers
VDD	Version Description Document
VDL	VA Software Document Library
VIP	Veteran-focused Integrated Process
VistA	Veterans Health Information System and Technology Architecture
VM	Virtual Machine
VS	VistA Scheduling
VSE	VistA Scheduling Enhancements

B. Appendix A

Please reference Table 6 for GUI_T files and Table 7 for GUI_P files produced from running the MSIs. (File Count: 102)

Table 6: GUI_T Files

Name	Size	Date Modified
BouncyCastle.Crypto.dll	2.8 MB	12/17/20, 9:32:28 PM
ClinSchd.Infrastructure.dll	505 kB	10/11/22, 3:33:18 PM
ClinSchd.Infrastructure.TraceLogLibrary.dll	97.0 kB	10/11/22, 3:33:16 PM
ClinSchd.Modules.CancelAppt.dll	36.5 kB	10/11/22, 3:33:40 PM
ClinSchd.Modules.ChangeDivision.dll	19.0 kB	10/11/22, 3:33:40 PM
ClinSchd.Modules.CheckIn.dll	36.5 kB	10/11/22, 3:33:44 PM
ClinSchd.Modules.CheckOut.dll	23.0 kB	10/11/22, 3:33:56 PM
ClinSchd.Modules.ContactAttempt.dll	32.0 kB	10/11/22, 3:33:58 PM
ClinSchd.Modules.DataAccess.dll	266 kB	10/11/22, 3:33:46 PM
ClinSchd.Modules.ExpandedEntry.dll	74.5 kB	10/11/22, 3:34:00 PM
ClinSchd.Modules.FindAppt.dll	98.0 kB	10/11/22, 3:34:04 PM
ClinSchd.Modules.Management.dll	153 kB	10/11/22, 3:34:04 PM
ClinSchd.Modules.MarkAsNoShow.dll	20.0 kB	10/11/22, 3:33:58 PM
ClinSchd.Modules.Navigation.dll	66.0 kB	10/11/22, 3:33:48 PM
ClinSchd.Modules.PatientAppt.dll	93.5 kB	10/11/22, 3:34:02 PM
ClinSchd.Modules.PatientSelection.dll	73.0 kB	10/11/22, 3:34:04 PM
ClinSchd.Modules.Prerequisites.dll	18.0 kB	10/11/22, 3:34:06 PM
ClinSchd.Modules.Reports.dll	132 kB	10/11/22, 3:33:48 PM
ClinSchd.Modules.ResourceSelection.dll	23.5 kB	10/11/22, 3:34:06 PM
ClinSchd.Modules.Ribbon.dll	416 kB	10/11/22, 3:33:54 PM
ClinSchd.Modules.Task.dll	236 kB	10/11/22, 3:34:10 PM
ClinSchd.Modules.UserLogin.dll	78.0 kB	10/11/22, 3:34:10 PM
ClinSchd.Modules.VAR.dll	302 kB	10/11/22, 3:33:42 PM
ClosedXML.dll	788 kB	10/5/22, 3:30:52 PM
ClosedXML.XML	144 kB	10/5/22, 3:30:50 PM
Common.Logging.Core.dll	10.0 kB	8/16/17, 6:51:46 AM
Common.Logging.dll	44.0 kB	8/16/17, 6:51:42 AM
DocumentFormat.OpenXml.dll	5.5 MB	10/5/22, 3:30:52 PM
EntityFramework.dll	4.8 MB	4/16/20, 8:38:42 PM
itext.io.dll	1.5 MB	6/24/21, 12:09:28 PM
itext.kernel.dll	926 kB	6/24/21, 12:09:30 PM
itext.layout.dll	371 kB	6/24/21, 12:09:34 PM
medsphere_48.ico	29.2 kB	10/5/22, 3:30:50 PM
Microsoft.Practices.Composite.dll	75.0 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.Composite.Presentation.dll	60.0 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.Composite.UnityExtensions.dll	15.0 kB	10/5/22, 3:30:52 PM

Name	Size	Date Modified
Microsoft.Practices.Composite.xml	182 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.EnterpriseLibrary.Common.dll	183 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.EnterpriseLibrary.ExceptionHandling.dll	86.9 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.EnterpriseLibrary.ExceptionHandling.Logging.dll	38.9 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.EnterpriseLibrary.Logging.dll	243 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.ObjectBuilder2.dll	74.9 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.ServiceLocation.dll	29.1 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.Unity.dll	74.9 kB	10/5/22, 3:30:52 PM
Microsoft.Web.Infrastructure.dll	44.4 kB	7/25/12, 11:48:56 AM
Newtonsoft.Json.dll	686 kB	3/17/21, 8:03:36 PM
Prism.dll	87.4 kB	10/21/20, 5:48:50 PM
SDEC_VSE_ReportConsole.jar	23.8 MB	10/5/22, 3:30:50 PM
SDEC_VSE_ReportTemplate.jasper	107 kB	10/5/22, 3:30:50 PM
SDEC_VSE_ReportTemplate.jrxml	31.0 kB	10/5/22, 3:30:50 PM
SDEC_VSE.XML	0 B	10/5/22, 3:30:50 PM
System.Net.Http.dll	259 kB	11/5/16, 11:56:30 AM
System.Web.Mvc.dll	535 kB	11/28/18, 12:59:46 PM
System.Web.Razor.dll	257 kB	11/28/18, 1:00:12 PM
System.Web.WebPages.Deployment.dll	42.1 kB	11/28/18, 1:04:24 PM
System.Web.WebPages.dll	202 kB	11/28/18, 1:04:24 PM
System.Web.WebPages.Razor.dll	39.9 kB	11/28/18, 1:04:24 PM
System.Windows.Interactivity.dll	39.0 kB	3/9/13, 6:25:10 PM
Telerik.Windows.Controls.Data.dll	2.5 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.dll	7.7 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.Docking.dll	1.7 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.GridView.dll	4.0 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.Input.dll	3.6 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.Navigation.dll	6.2 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.RibbonView.dll	3.4 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.ScheduleView.dll	3.0 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Data.dll	494 kB	10/5/22, 3:30:54 PM
TotalDemandCharts.jrxml	2.6 kB	10/5/22, 3:30:50 PM
TotalDemandSupplyCharts.jrxml	2.6 kB	10/5/22, 3:30:50 PM
TotalSupplyCharts.jrxml	2.5 kB	10/5/22, 3:30:50 PM
trace.log	0 B	10/5/22, 3:30:50 PM
VA.VSE.Data.SQL.dll	6.5 kB	10/11/22, 3:33:20 PM
VA.VSE.Data.VistaRpc.dll	32.0 kB	10/11/22, 3:33:34 PM
VA.VSE.Data.WebServices.dll	278 kB	10/11/22, 3:33:34 PM
VA.VSE.Domain.dll	97.5 kB	10/11/22, 3:33:20 PM
VA.VSE.Domain.Infrastructure.dll	7.5 kB	10/11/22, 3:33:36 PM
VA.VSE.InversionOfControl.dll	7.5 kB	10/11/22, 3:33:36 PM
VA.VSE.Presentation.Infrastructure.dll	18.5 kB	10/11/22, 3:33:34 PM

Name	Size	Date Modified
VA.VSE.Presentation.PatientSelection.dll	16.0 kB	10/11/22, 3:33:50 PM
VA.VSE.Presentation.VideoVisit.dll	770 kB	10/11/22, 3:33:40 PM
VA.VSE.ServiceFactory.AssignedUserRoleServices.dll	8.0 kB	10/11/22, 3:33:24 PM
VA.VSE.ServiceFactory.JsonWebTokenServices.dll	6.0 kB	10/11/22, 3:33:34 PM
VA.VSE.ServiceFactory.SSOiServices.dll	6.0 kB	10/11/22, 3:33:34 PM
VA.VSE.ServiceFactory.UserRoleServices.dll	7.5 kB	10/11/22, 3:33:32 PM
VA.VSE.ServiceFactory.VideoVisitsServices.dll	9.5 kB	10/11/22, 3:33:34 PM
VA.VSE.ServiceFactory.VistaAppointmentRequestServices.dll	7.5 kB	10/11/22, 3:33:32 PM
VA.VSE.ServiceFactory.VistaAppointmentServices.dll	9.0 kB	10/11/22, 3:33:34 PM
VA.VSE.ServiceFactory.VistaConsultServices.dll	7.0 kB	10/11/22, 3:33:32 PM
VA.VSE.ServiceFactory.VistaMedicationServices.dll	6.5 kB	10/11/22, 3:33:32 PM
VA.VSE.ServiceFactory.VistaPatientSelectionServices.dll	7.5 kB	10/11/22, 3:33:34 PM
VA.VSE.ServiceFactory.VistaPrivilegedUsersServices.dll	7.0 kB	10/11/22, 3:33:34 PM
VA.VSE.ServiceFactory.VistaPtCSchAppointmentServices.dll	7.0 kB	10/11/22, 3:33:34 PM
VA.VSE.ServiceFactory.VistaVideoVisitAppointmentServices.dll	6.5 kB	10/11/22, 3:33:34 PM
VA.VSE.ServiceFactory.VistaVideoVisitInfoServices.dll	7.0 kB	10/11/22, 3:33:36 PM
VAInternalRootCA.cer	1.3 kB	10/5/22, 3:30:52 PM
VAInternalSubordinateCA1.cer	2.1 kB	10/5/22, 3:30:52 PM
var_service.vse.cc.med.va.gov.pfx	2.8 kB	10/5/22, 3:30:52 PM
VistaSchedulingGUI.exe	1.2 MB	10/11/22, 3:34:28 PM
VistaSchedulingGUI.exe.config	7.0 kB	varies
VSELogoPleaseWait.gif	17.4 kB	10/5/22, 3:30:52 PM

Table 7: GUI_P Files

Name	Size	Date Modified
BouncyCastle.Crypto.dll	2.8 MB	12/17/20, 9:32:28 PM
ClinSchd.Infrastructure.dll	505 kB	10/11/22, 3:31:52 PM
ClinSchd.Infrastructure.TraceLogLibrary.dll	97.0 kB	10/11/22, 3:31:48 PM
ClinSchd.Modules.CancelAppt.dll	36.5 kB	10/11/22, 3:32:12 PM
ClinSchd.Modules.ChangeDivision.dll	19.0 kB	10/11/22, 3:32:12 PM
ClinSchd.Modules.CheckIn.dll	36.5 kB	10/11/22, 3:32:16 PM
ClinSchd.Modules.CheckOut.dll	23.0 kB	10/11/22, 3:32:32 PM
ClinSchd.Modules.ContactAttempt.dll	32.0 kB	10/11/22, 3:32:32 PM
ClinSchd.Modules.DataAccess.dll	266 kB	10/11/22, 3:32:20 PM

Name	Size	Date Modified
ClinSchd.Modules.ExpandedEntry.dll	74.5 kB	10/11/22, 3:32:36 PM
ClinSchd.Modules.FindAppt.dll	98.0 kB	10/11/22, 3:32:40 PM
ClinSchd.Modules.Management.dll	153 kB	10/11/22, 3:32:40 PM
ClinSchd.Modules.MarkAsNoShow.dll	20.0 kB	10/11/22, 3:32:34 PM
ClinSchd.Modules.Navigation.dll	66.0 kB	10/11/22, 3:32:22 PM
ClinSchd.Modules.PatientAppt.dll	93.5 kB	10/11/22, 3:32:38 PM
ClinSchd.Modules.PatientSelection.dll	73.0 kB	10/11/22, 3:32:42 PM
ClinSchd.Modules.Prerequisites.dll	18.0 kB	10/11/22, 3:32:44 PM
ClinSchd.Modules.Reports.dll	132 kB	10/11/22, 3:32:24 PM
ClinSchd.Modules.ResourceSelection.dll	23.5 kB	10/11/22, 3:32:44 PM
ClinSchd.Modules.Ribbon.dll	416 kB	10/11/22, 3:32:30 PM
ClinSchd.Modules.Task.dll	236 kB	10/11/22, 3:32:46 PM
ClinSchd.Modules.UserLogin.dll	78.0 kB	10/11/22, 3:32:46 PM
ClinSchd.Modules.VAR.dll	302 kB	10/11/22, 3:32:14 PM
ClosedXML.dll	788 kB	10/5/22, 3:30:52 PM
ClosedXML.XML	144 kB	10/5/22, 3:30:50 PM
Common.Logging.Core.dll	10.0 kB	8/16/17, 6:51:46 AM
Common.Logging.dll	44.0 kB	8/16/17, 6:51:42 AM
DocumentFormat.OpenXml.dll	5.5 MB	10/5/22, 3:30:52 PM
EntityFramework.dll	4.8 MB	4/16/20, 8:38:42 PM
itext.io.dll	1.5 MB	6/24/21, 12:09:28 PM
itext.kernel.dll	926 kB	6/24/21, 12:09:30 PM
itext.layout.dll	371 kB	6/24/21, 12:09:34 PM
medsphere_48.ico	29.2 kB	10/5/22, 3:30:50 PM
Microsoft.Practices.Composite.dll	75.0 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.Composite.Presentation.dll	60.0 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.Composite.UnityExtensions.dll	15.0 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.Composite.xml	182 kB	10/5/22, 3:30:52 PM

Name	Size	Date Modified
Microsoft.Practices.EnterpriseLibrary.Common.dll	183 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.EnterpriseLibrary.ExceptionHandling.dll	86.9 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.EnterpriseLibrary.ExceptionHandling.Logging.dll	38.9 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.EnterpriseLibrary.Logging.dll	243 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.ObjectBuilder2.dll	74.9 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.ServiceLocation.dll	29.1 kB	10/5/22, 3:30:52 PM
Microsoft.Practices.Unity.dll	74.9 kB	10/5/22, 3:30:52 PM
Microsoft.Web.Infrastructure.dll	44.4 kB	7/25/12, 11:48:56 AM
Newtonsoft.Json.dll	686 kB	3/17/21, 8:03:36 PM
Prism.dll	87.4 kB	10/21/20, 5:48:50 PM
SDEC_VSE_ReportConsole.jar	23.8 MB	10/5/22, 3:30:50 PM
SDEC_VSE_ReportTemplate.jasper	107 kB	10/5/22, 3:30:50 PM
SDEC_VSE_ReportTemplate.jrxml	31.0 kB	10/5/22, 3:30:50 PM
SDEC_VSE.XML	0 B	10/5/22, 3:30:50 PM
System.Net.Http.dll	259 kB	11/5/16, 11:56:30 AM
System.Web.Mvc.dll	535 kB	11/28/18, 12:59:46 PM
System.Web.Razor.dll	257 kB	11/28/18, 1:00:12 PM
System.Web.WebPages.Deployment.dll	42.1 kB	11/28/18, 1:04:24 PM
System.Web.WebPages.dll	202 kB	11/28/18, 1:04:24 PM
System.Web.WebPages.Razor.dll	39.9 kB	11/28/18, 1:04:24 PM
System.Windows.Interactivity.dll	39.0 kB	3/9/13, 6:25:10 PM
Telerik.Windows.Controls.Data.dll	2.5 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.dll	7.7 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.Docking.dll	1.7 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.GridView.dll	4.0 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.Input.dll	3.6 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.Navigation.dll	6.2 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.RibbonView.dll	3.4 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Controls.ScheduleView.dll	3.0 MB	10/5/22, 3:30:54 PM
Telerik.Windows.Data.dll	494 kB	10/5/22, 3:30:54 PM
TotalDemandCharts.jrxml	2.6 kB	10/5/22, 3:30:50 PM
TotalDemandSupplyCharts.jrxml	2.6 kB	10/5/22, 3:30:50 PM
TotalSupplyCharts.jrxml	2.5 kB	10/5/22, 3:30:50 PM
trace.log	27 B	10/5/22, 3:30:50 PM

Name	Size	Date Modified
VA.VSE.Data.SQL.dll	6.5 kB	10/11/22, 3:31:52 PM
VA.VSE.Data.VistaRpc.dll	32.0 kB	10/11/22, 3:32:06 PM
VA.VSE.Data.WebServices.dll	278 kB	10/11/22, 3:32:06 PM
VA.VSE.Domain.dll	97.5 kB	10/11/22, 3:31:52 PM
VA.VSE.Domain.Infrastructure.dll	7.5 kB	10/11/22, 3:32:06 PM
VA.VSE.InversionOfControl.dll	7.5 kB	10/11/22, 3:32:06 PM
VA.VSE.Presentation.Infrastructure.dll	18.5 kB	10/11/22, 3:32:04 PM
VA.VSE.Presentation.PatientSelection.dll	16.0 kB	10/11/22, 3:32:24 PM
VA.VSE.Presentation.VideoVisit.dll	770 kB	10/11/22, 3:32:12 PM
VA.VSE.ServiceFactory.AssignedUserRoleServices.dll	8.0 kB	10/11/22, 3:31:58 PM
VA.VSE.ServiceFactory.JsonWebTokenServices.dll	6.0 kB	10/11/22, 3:32:04 PM
VA.VSE.ServiceFactory.SSOiServices.dll	6.0 kB	10/11/22, 3:32:06 PM
VA.VSE.ServiceFactory.UserRoleServices.dll	7.5 kB	10/11/22, 3:32:02 PM
VA.VSE.ServiceFactory.VideoVisitsServices.dll	9.5 kB	10/11/22, 3:32:06 PM
VA.VSE.ServiceFactory.VistaAppointmentRequestServices.dll	7.5 kB	10/11/22, 3:32:02 PM
VA.VSE.ServiceFactory.VistaAppointmentServices.dll	9.0 kB	10/11/22, 3:32:06 PM
VA.VSE.ServiceFactory.VistaConsultServices.dll	7.0 kB	10/11/22, 3:32:02 PM
VA.VSE.ServiceFactory.VistaMedicationServices.dll	6.5 kB	10/11/22, 3:32:02 PM
VA.VSE.ServiceFactory.VistaPatientSelectionServices.dll	7.5 kB	10/11/22, 3:32:04 PM
VA.VSE.ServiceFactory.VistaPrivilegedUsersServices.dll	7.0 kB	10/11/22, 3:32:04 PM
VA.VSE.ServiceFactory.VistaPtCSchAppointmentServices.dll	7.0 kB	10/11/22, 3:32:04 PM
VA.VSE.ServiceFactory.VistaVideoVisitAppointmentServices.dll	6.5 kB	10/11/22, 3:32:06 PM
VA.VSE.ServiceFactory.VistaVideoVisitInfoServices.dll	7.0 kB	10/11/22, 3:32:06 PM

Name	Size	Date Modified
VAInternalRootCA.cer	1.3 kB	10/5/22, 3:30:52 PM
VAInternalSubordinateCA1.cer	2.1 kB	10/5/22, 3:30:52 PM
var_service.vse.cc.med.va.gov.pfx	2.8 kB	10/5/22, 3:30:52 PM
VistaSchedulingGUI.exe	1.2 MB	10/11/22, 3:33:02 PM
VistaSchedulingGUI.exe.config	7.0 kB	varies
VSELogoPleaseWait.gif	17.4 kB	10/5/22, 3:30:52 PM