

Configuration and Deployment of Imagelink

July 2012

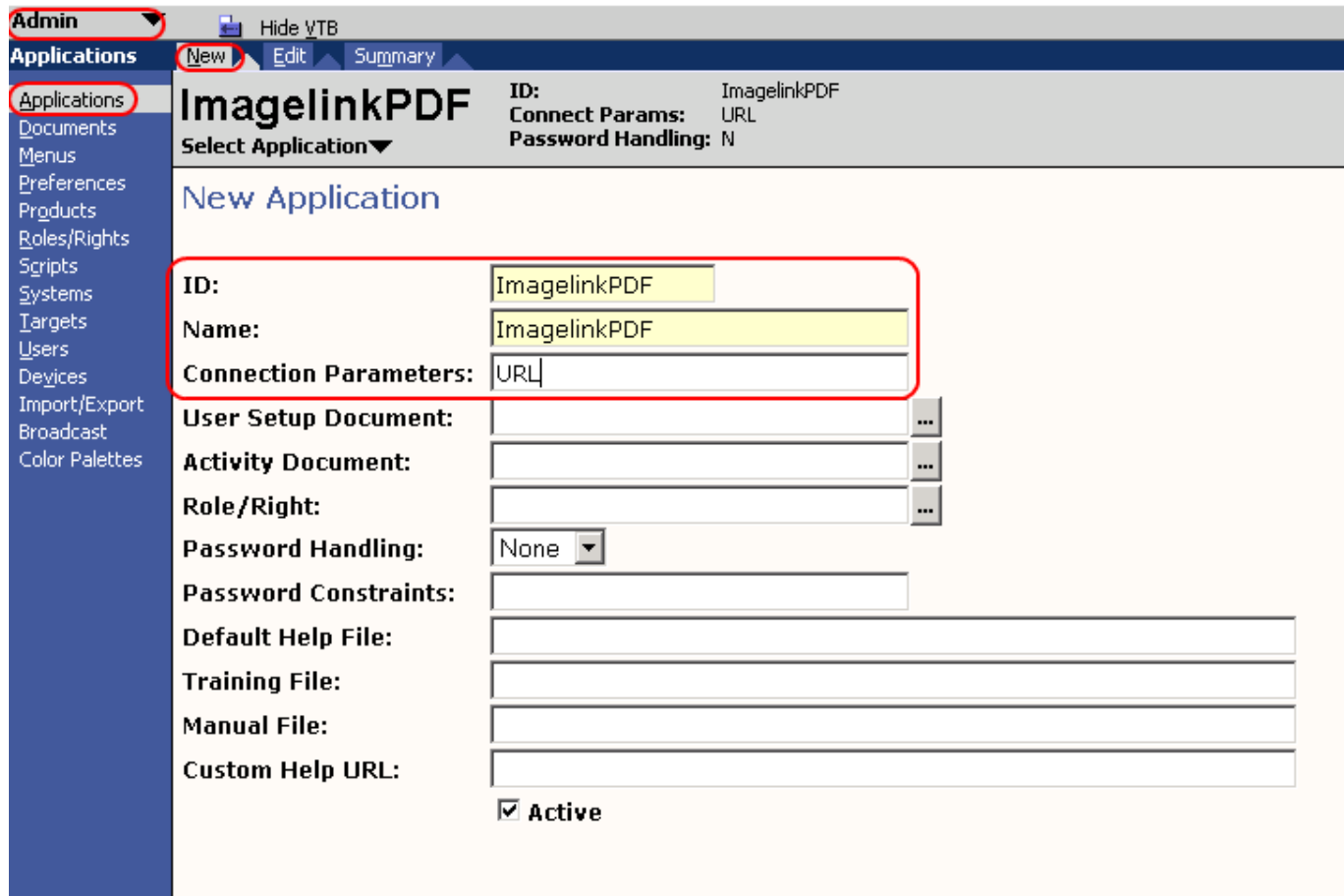
Welcome

- **What is Imagelink?**
- **AE-EHR Configuration**
- **ConnectR Result Interface Configuration**
- **Customization for rendering PDFs**
- **Demo**
- **Version Compatibility**
- **Common Issues**
- **Q&A**

AE-EHR Imagelink

- **Provides organizations that have a results interface with the ability to view one or more images or other documents associated with a result from a variety of different systems that have a web-based image viewer**

Create Application



Admin Hide VTB

Applications New Edit Summary

Applications Documents Menus Preferences Products Roles/Rights Scripts Systems Targets Users Devices Import/Export Broadcast Color Palettes

ImagelinkPDF ID: ImagelinkPDF
Connect Params: URL
Password Handling: N

Select Application ▼

New Application

ID: ImagelinkPDF

Name: ImagelinkPDF

Connection Parameters: URL

User Setup Document: ...

Activity Document: ...

Role/Right: ...

Password Handling: None ▼

Password Constraints:

Default Help File:

Training File:

Manual File:

Custom Help URL:

Active

Associate Application with Product

Admin Hide VTB

Products New Edit Applications Summary

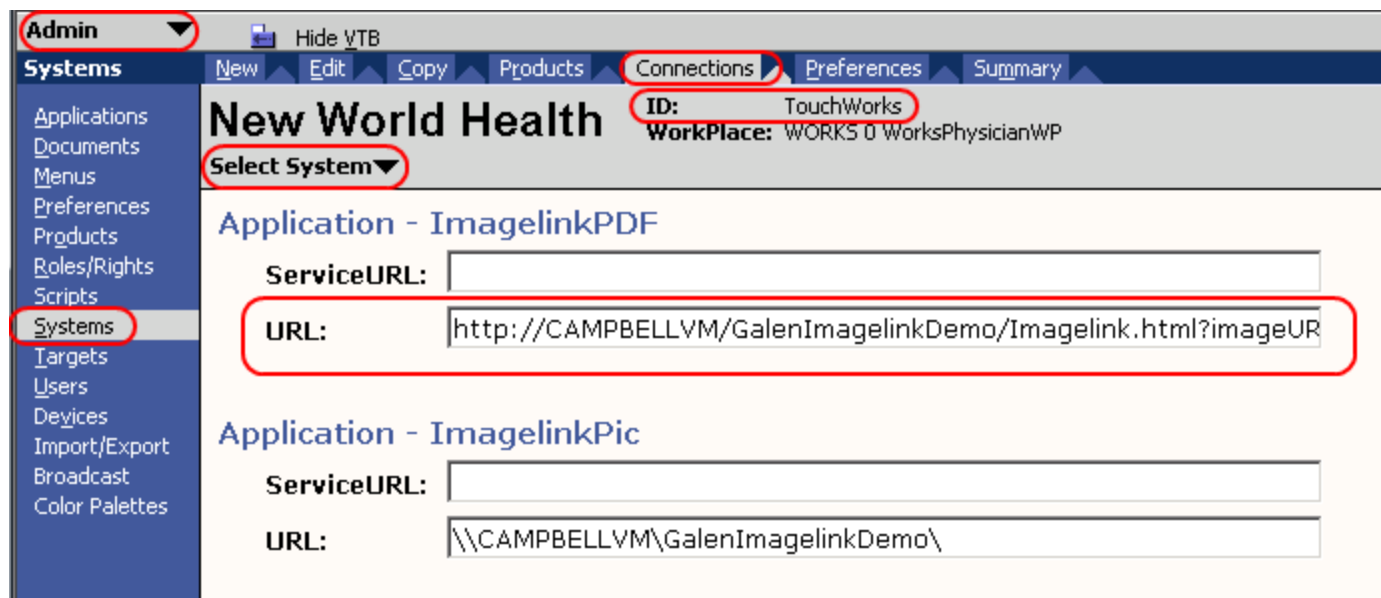
Enterprise EHR ID: WORKS Web Server: Virtual Directory: TouchWorks
Version: 11.1.7.257

Select Product

Associated Applications

<input type="checkbox"/>	ID	Name	Parameters	User Doc	Activity Doc	Role/F
<input checked="" type="checkbox"/>	AHSWF	Allscripts Web Framework	APPGROUP			
<input checked="" type="checkbox"/>	CHPTLKP	TouchWorks Patient Lookup	APPGROUP			
<input checked="" type="checkbox"/>	CHWORKS	TouchWorks	APPGROUP			
<input type="checkbox"/>	CMSVOE	CMSVOE	APPGROUP			
<input type="checkbox"/>	EDIXVOE	EDIXVOE	VOE Server			
<input type="checkbox"/>	EMAIL	Enterprise Email	Host IP			
<input type="checkbox"/>	Exchange	Microsoft Exchange	Server			
<input checked="" type="checkbox"/>	GPMS	GPMS	URL			
<input type="checkbox"/>	Healthstream	Healthstream				
<input type="checkbox"/>	IDXCMS	CMS	DSN			
<input checked="" type="checkbox"/>	IDXM	IDXtend	Server Port			
<input type="checkbox"/>	IDXWFExport	Centricity Framework Export Tool	DataURL			IDXW
<input checked="" type="checkbox"/>	ImagelinkPDF	ImagelinkPDF	URL			

Specify Connection for System (URL)



The screenshot shows the Galen Admin interface. The 'Admin' menu is open, and the 'Systems' sub-menu is selected. The 'Connections' tab is active in the top navigation bar. The main content area displays the configuration for the 'New World Health' system. The 'ID' is 'TouchWorks' and the 'WorkPlace' is 'WORKS 0 WorksPhysicianWP'. A 'Select System' dropdown is visible. Two application configurations are shown:

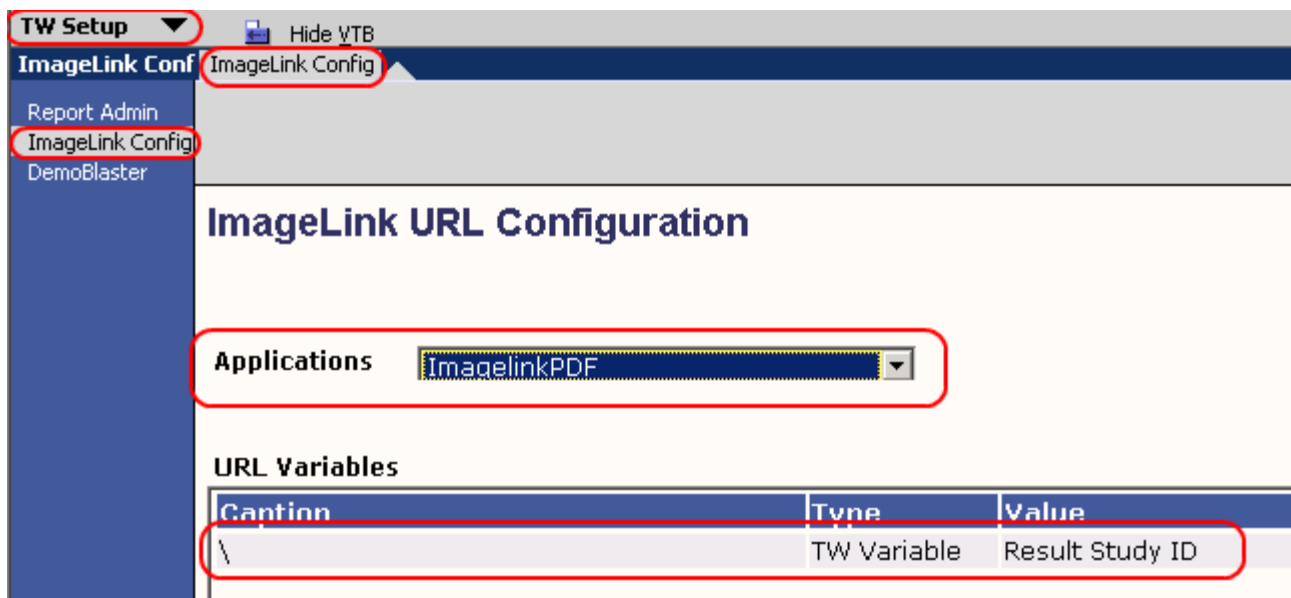
- Application - ImagelinkPDF**
 - ServiceURL:
 - URL:
- Application - ImagelinkPic**
 - ServiceURL:
 - URL:

Associate Users with Connection

The screenshot shows the Admin interface for user management. The 'Admin' menu is open, and the 'Users' section is selected. The user 'ahsuser' is selected, and the 'Connections' tab is active. The 'Select User' dropdown is also visible. Below the user details, the 'User Application Connections' table is displayed, showing three connections for the user 'ahsuser'.

Sys ID	Sys Name	App ID	App Name	Username	Edit	Delete
Phychan	Physician Homebase	CHWORKS	TouchWorks	ahsuser	Edit	Delete
TouchWorks	New World Health	ImagelinkPDF	ImagelinkPDF	ahsuser	Edit	Delete
TouchWorks	New World Health	ImagelinkPic	ImagelinkPic	ahsuser	Edit	Delete

Configure variables (URL)



ImageLink URL Configuration

Applications:

URL Variables

Caption	Type	Value
	TW Variable	Result Study ID

Works DB Components

- **Result_External_Storage**
 - Holds results that have images associated with them.
- **External_Storage_Component**
 - Holds URL variable information

ConnectR Interface Configuration

File Edit Reports Window Help

Message System **Mapping** Translation Script Date Format AE Titles Error Server

Monitor
Definition
Action
Admin

Source System: Galen Imagelink Demo Source - [7015] Target System: Galen Imagelink Demo Target - [7016]
Source Message: MDM Target Message: FileResult_CMS
Source Msg Desc: DexaBD Target Msg Desc: Test V11.1.6 DexaBD

Help
Field Help
Logout

- MDM
 - MSH-Message Header
 - EVN-Event Type
 - PID-Patient Identification
 - PV1-Patient Visit
 - TXA-Transcription Document Header
 - OBX-Observation/Result

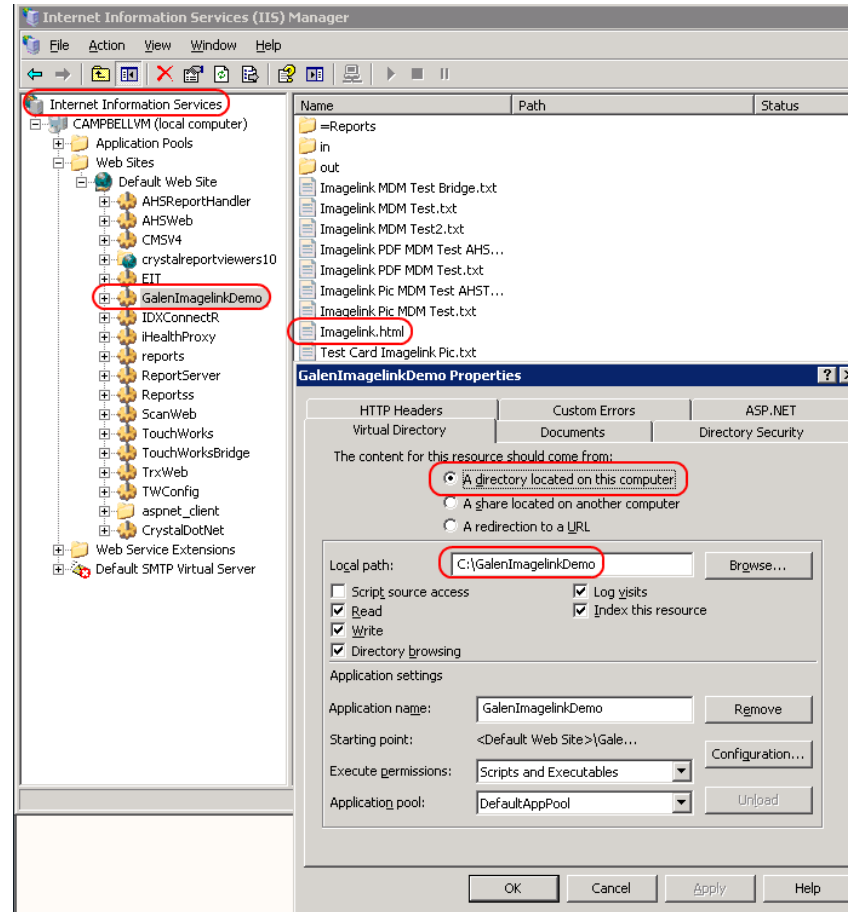
- N'
 - [110]-HasExternalStorageData
 - 'Y'
 - [111]-ExternalStorageSystem
 - 'ImagelinkPDF'
 - [112]-ExternalStorageID
 - '\\CampbellVM\GalenImagelinkDemo\=Reports\' _ OBX.0-[5]-Observation Value.1.1.0
 - [113]-ExternalStorageIDType
 - 'StudyID'
- [114]-TaskTypeCode
- [115]-TaskPriorityName
- [116]-BillingProviderIN
- [117]-BillingProviderForm
- [118]-BillingLocationIN

Summary

- **AE-EHR Configuration**
 - Create Application
 - Associate Application with Product
 - Specify Connection for System (URL)
 - Associate Users with Connection (if applicable)
 - Configure variables (URL)
- **ConnectR Interface Configuration**
 - Configure mapping for FileResult_CMS parameters 110-113

ImagelinkPIC Demo

Customization for rendering PDFs



Customization for rendering PDFs

```

<!--
  Description: The purpose of this web page is to redirect users from an imagelink in Allscripts to a pdf
  document. Without this page, pdfs don't seem to work well with imagelink in Allscripts.
  Example URL:
  http://CAMPBELLVM/GalenImagelinkDemo/Imagelink.html?imageURL\\CampbellVM\GalenImagelinkDemo\Reports\Report01.PDF
  Author: Tyler Thompson
  Creation Date: 1.17.2010
-->
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Image Redirect Program</title>
  <script type="text/javascript" language="javascript">
    // Build an empty URL structure in which we will store
    // the individual query values by key.
    var objURL = new Object();
    // Use the String::replace method to iterate over each
    // name-value pair in the query string. Location.search
    // gives us the query string (if it exists).
    window.location.search.replace(
      new RegExp("(^[^?=&]+)(=[^&]*)?", "g"),
    // For each matched query string pair, add that
    // pair to the URL struct using the pre-equals
    // value as the key.
    function($0, $1, $2, $3) {
      objURL[$1] = $3;
    }
  );
  window.location = objURL["imageURL\\"];
  window.close();
</script>
</head>
<body>
</body>
</html>

```

Acknowledgement:
Tyler Thompson, Senior
Developer, ABQ Health
Partners

ImagelinkPDF Demo

Version Compatibility

- **V10**
 - Only supports one application connection and associated URL (one imagelink instance)
- **V11**
 - Supports multiple application connections and associated URLs

Common Issues

- **Unable to access Imagelink URL**
 - Test direct access from interface or test server
 - Ensure proper access/permissions
 - Check pop-up blocker
- **Separate Imagelink message**
 - Timing of message causes result report to get wiped out
 - Set up separate Imagelink mapping with hard-coded Imagelink RID

Galen Interface Offerings

- **Design and Deployment: Expertise to help you connect your EHR to other sources of data.**
- **Training/Mentoring: Allows organizations to develop their own interface expertise by providing as-needed assistance to projects: on-site and remote webcast models**
- **Support: Expert advice when you need it**
- **Conversions: Extracting and Importing demographic and clinical data from various legacy systems**

Galen Community & Solutions

Allscripts Interface Developers Network:

<http://interfaces.galenhealthcare.com>



Clinical Conversion Toolkit:

<http://blog.galenhealthcare.com/2011/04/06/clinical-conversion-toolkit/>



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Solutions Store:

<http://solutions.galenhealthcare.com>

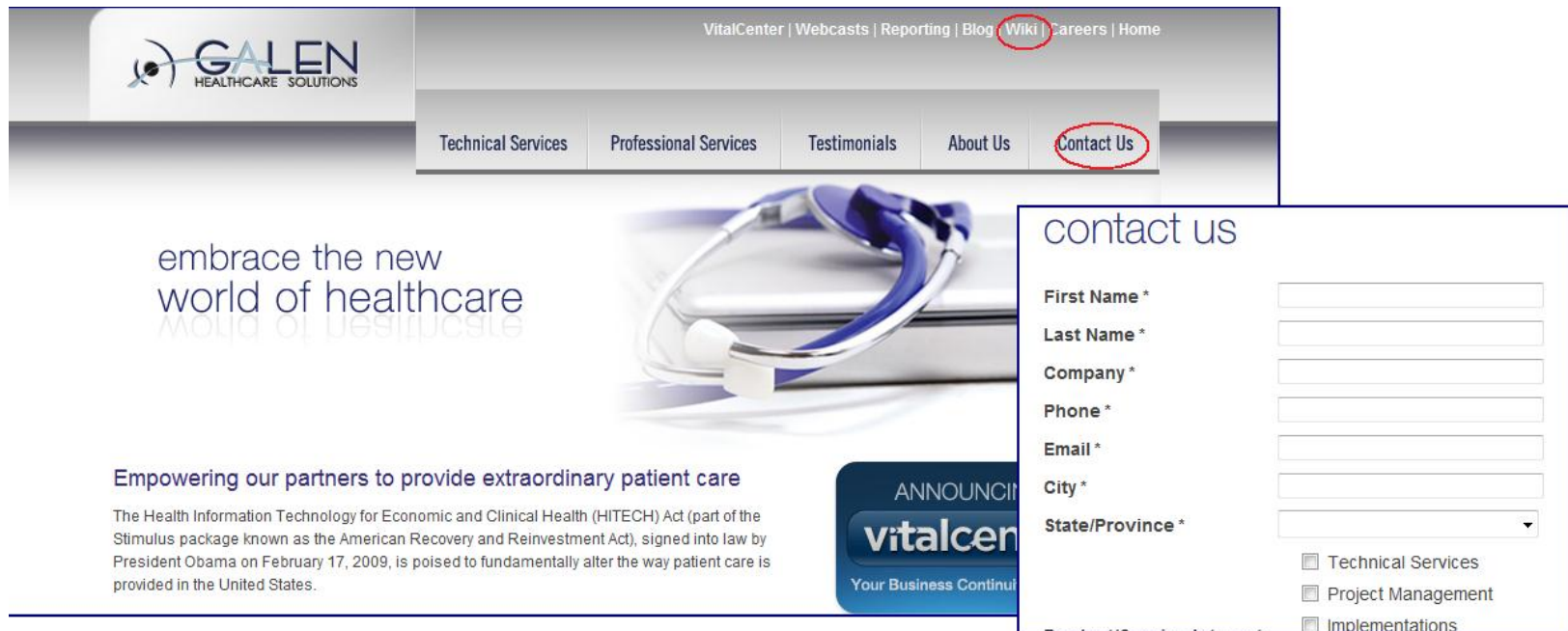
Featured Solutions:

- Order Cleanup
- Task Cleanup
- Worklist Cleanup



Thank you for joining us today, for additional assistance....

You can contact us through our website at www.galenhealthcare.com



The screenshot shows the Galen Healthcare Solutions website. The top navigation bar includes links for VitalCenter, Webcasts, Reporting, Blog, Wiki, Careers, and Home. A secondary navigation bar contains links for Technical Services, Professional Services, Testimonials, About Us, and Contact Us. The main content area features the slogan "embrace the new world of healthcare" and a stethoscope image. Below this is a section titled "Empowering our partners to provide extraordinary patient care" with text about the HITECH Act. A "vitalcenter" logo is also visible. An inset box shows a "contact us" form with fields for First Name, Last Name, Company, Phone, Email, City, and State/Province, along with checkboxes for Technical Services, Project Management, and Implementations.