BridgeBuilder for Provisioning

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Welcome

Use Vergence® BridgeBuilder for Provisioning to create or modfiy Bridge scripts.

Create Bridge

You provide the following information when creating a new Bridge:

- Application Login and Logout Information describing how an administrator logs in and out of the application's provisioning interface.
- Provisioning a User How to add and remove users from the application.
- Error Conditions How to identify error conditions during the provisioning process.

Click Create Bridge to begin.

Create Bridge...

Edit Bridge

To compete a Bridge, or modify a complete Bridge, click Edit Bridge.

Edit Bridge...

Welcome screen

Because IT developers don't use the application frequently, it's important to guide them through the necessary steps.

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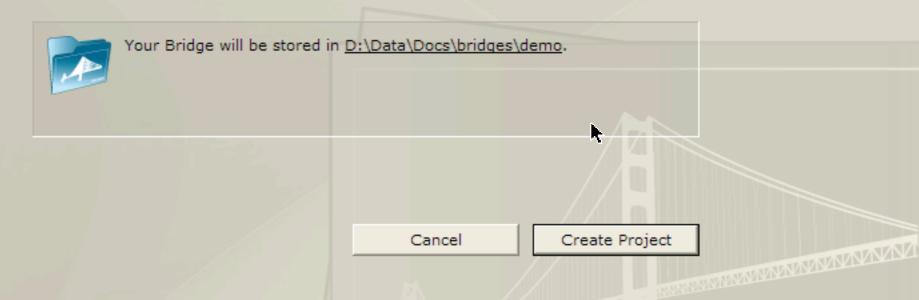
Create Bridge Name and Project Folder

Specify a name for the Bridge and the location for the project files, and click **Create Project**.

Bridge Name: demo

Project Location: D:\Data\Docs\bridges

Select Folder...



Bridge Builder

Creating a Bridge

Every Provisioning Bridge requires a project folder to store collected resources and application data.

Application

Operations Attributes Summary

Application to Bridge

Provide information about the application to bridge, and how to start it. Then complete the Operations and Attributes tabs, and go to the Summary tab to complete the Bridge.

Application Name

Bridgeworks Demo App

Application ID

Application identifier used by Provisioning Manager. Default is the Application Name.

BridgeworksDemoApp

Application Version

Bridge Description

Description of the application you are Bridging

Vergence User Mapping Agent Suffix

Specify the UMA suffix to use for this application. The Login and Password Attribute fields can be selected after creating the attributes and specifying them as the Login and Password attributes on the Attributes tab.

The suffix for your Vergence Vault

Type of Application

Windows

Web

Application Executable

Enter or browse to the application executable file.

The location of the application to Bridge

Browse..

Application Arguments

Any start-up arguments to pass to the application.

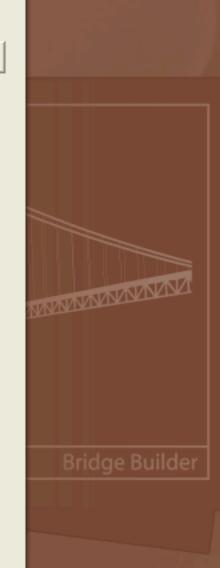
Arguments to pass to the application when starting

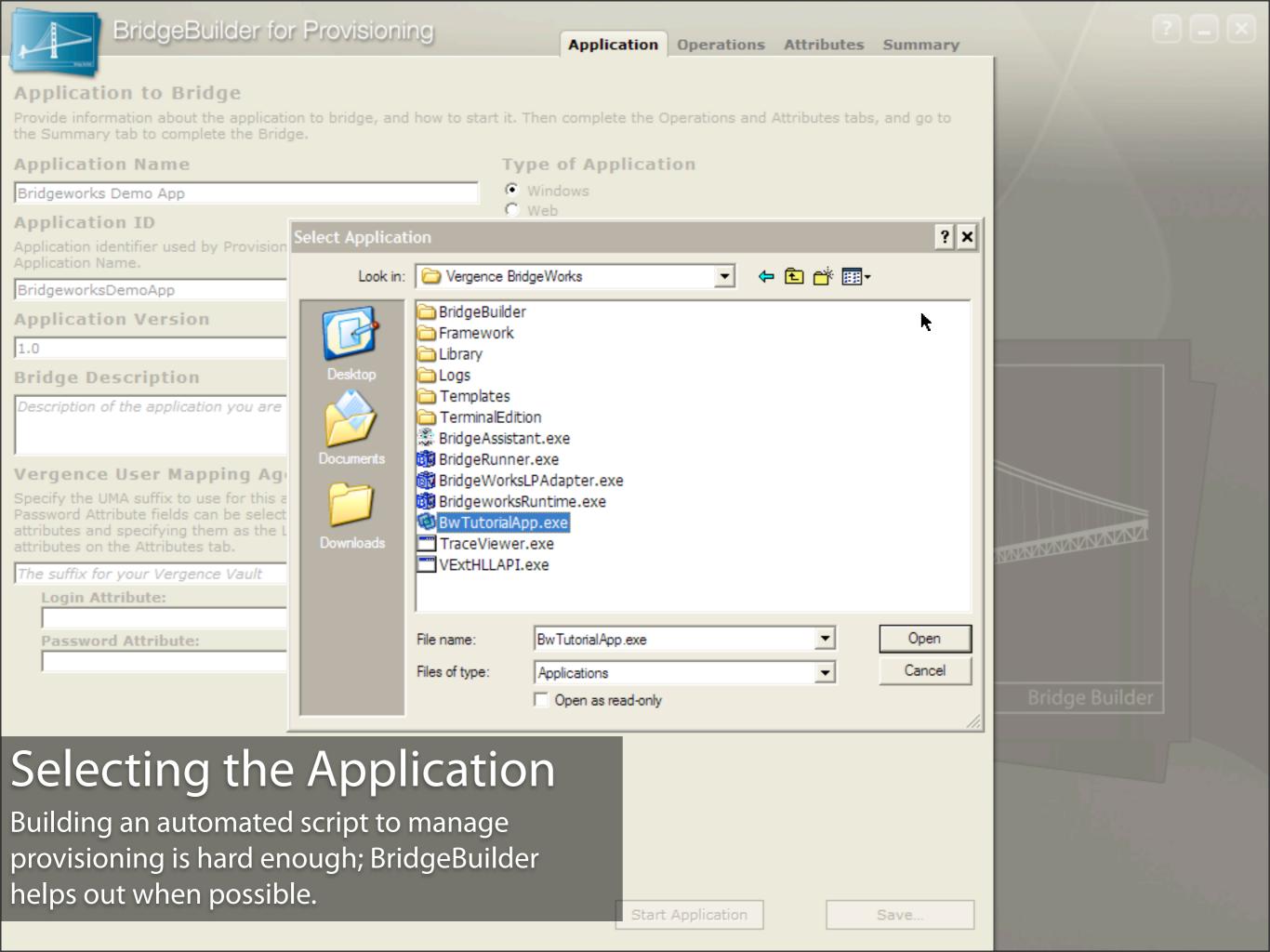
Application Details

Whether a Windows or Web application, BridgeBuilder guides IT developers through collecting the necessary information.

Start Application

Save...





Save..

There are four operations necessary to create an automated provisioning script. Each operation may require multiple actions...

Save.

Operations

Select an Operation and add Actions that define the process for the bridge to use to perform the provisioning request.

Start Application

Includes all Actions needed to log in to the application and prepare to Create or Delete an account.

Shutdown Application

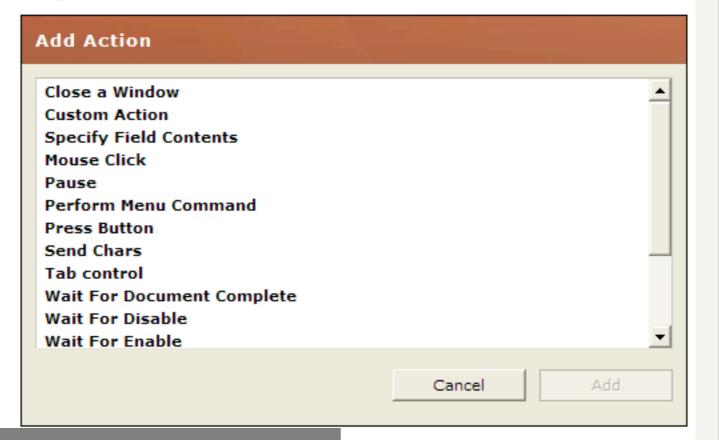
Includes Actions to shut down the application after provisioning is completed.

Create User Account

Includes all Actions needed to Create a new user account.

Delete User Account

Includes all Actions needed to Delete an existing user account.



Actions

Each action is defined via a plug in. This means the application's capabilities may be expanded without asking IT developers to write code.

Start Errors Screens Click Add to create an Action for Add Remove

Operations

Select an Operation and add Actions that define the process for the bridge to use to perform the provisioning request.

Start Application

Includes all Actions needed to log in to the application and prepare to Create or Delete an account.

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Includes Actions to shut down the application after provisioning is completed.

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Includes all Actions needed to Create a new user account.

Delete User Account

Includes all Actions needed to Delete an existing user account.

Selecting Windows

Many actions operate on a specific window. BridgeBuilder allows IT developers to highlight windows rather than writing code.

Start

Click Add to create an Action for this Operation.



Add...

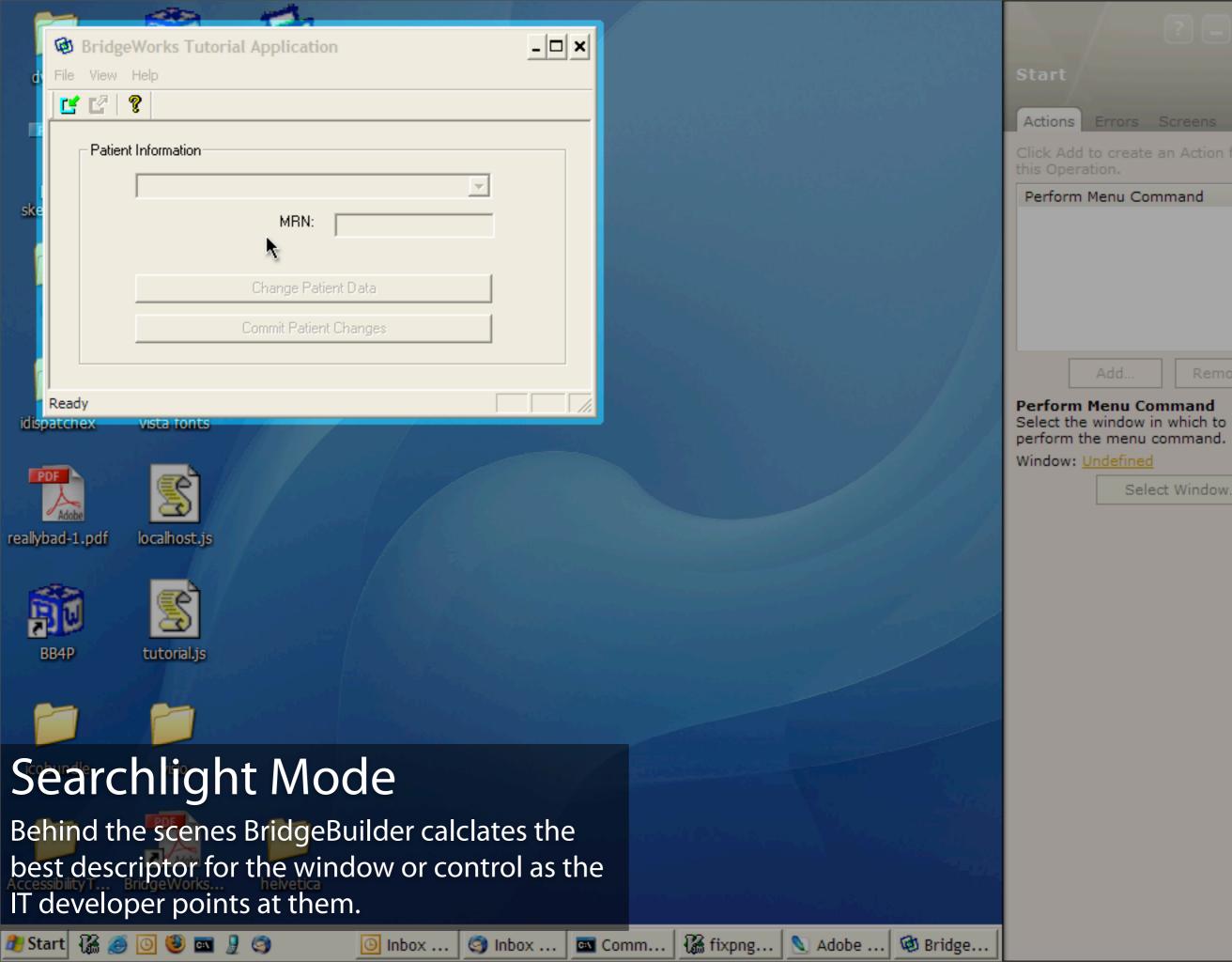
Remove

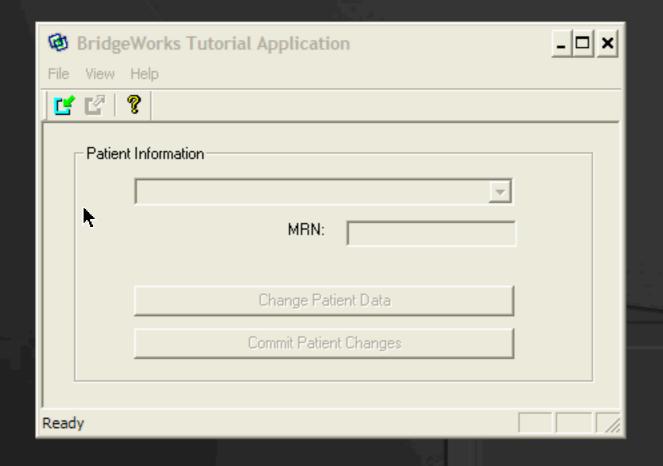
Perform Menu Command

Select the window in which to perform the menu command.

Window: Undefined

Select Window...





Define New Screen

Screen Name

BridgeWorks Tutorial Application

Window Title

BridgeWorks Tutorial Application

Unique Element

Click Select Element to define a unique element for this window.

Text that uniquely identifies this screen

Control Path: Undefined

Screen Details

Uniquely identifying a window is harder than you might imagine, IT developers can specify unique fields on a Window to help.

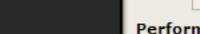
Select Element.

Window Close Action

- Press a button
- Click the close button
- Perform a menu command

Use Existing Screen.

Define Screen



Select the window in which to perform the menu command.

Window: BridgeWorks Tutorial Application

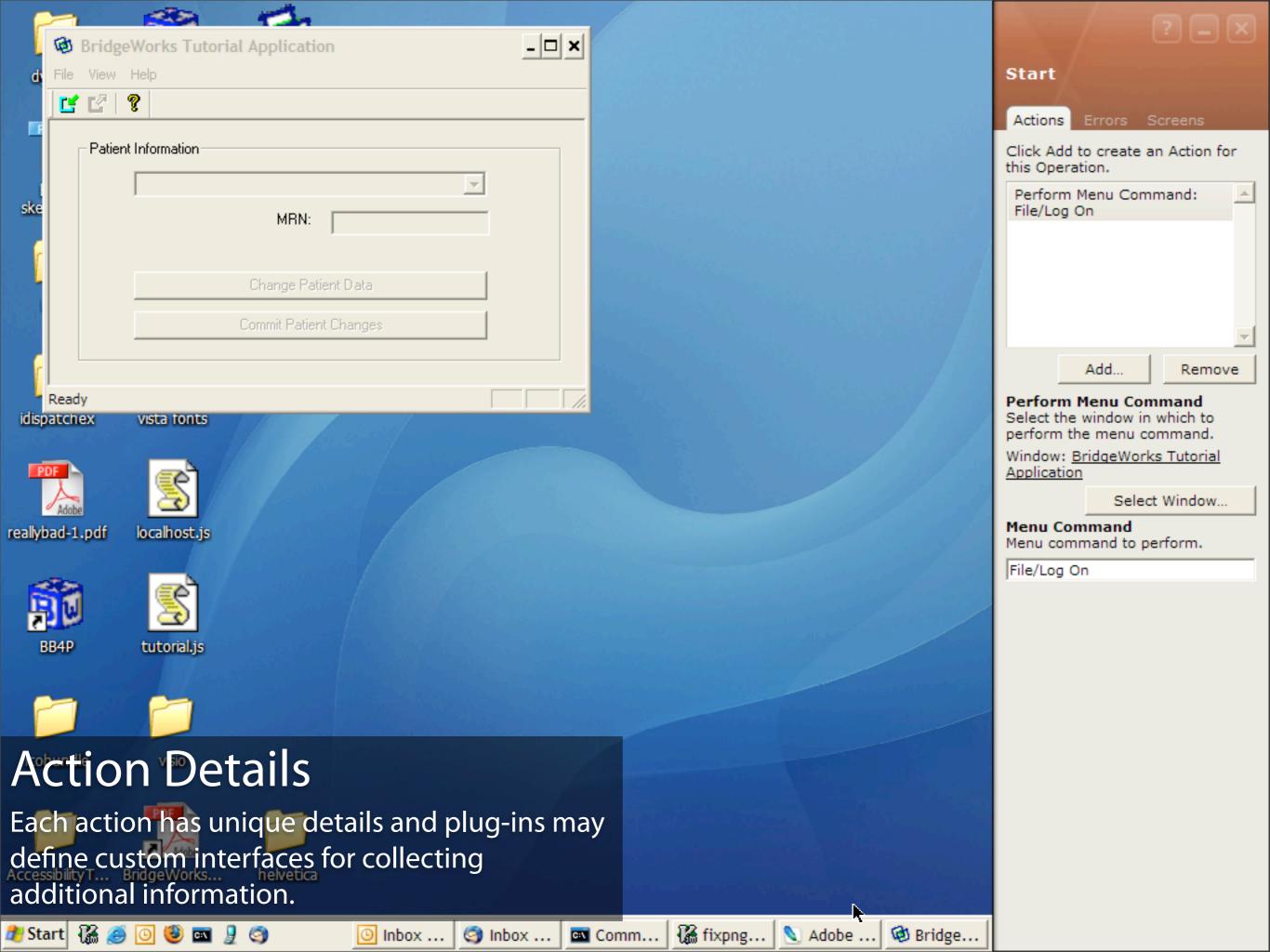
Select Window.

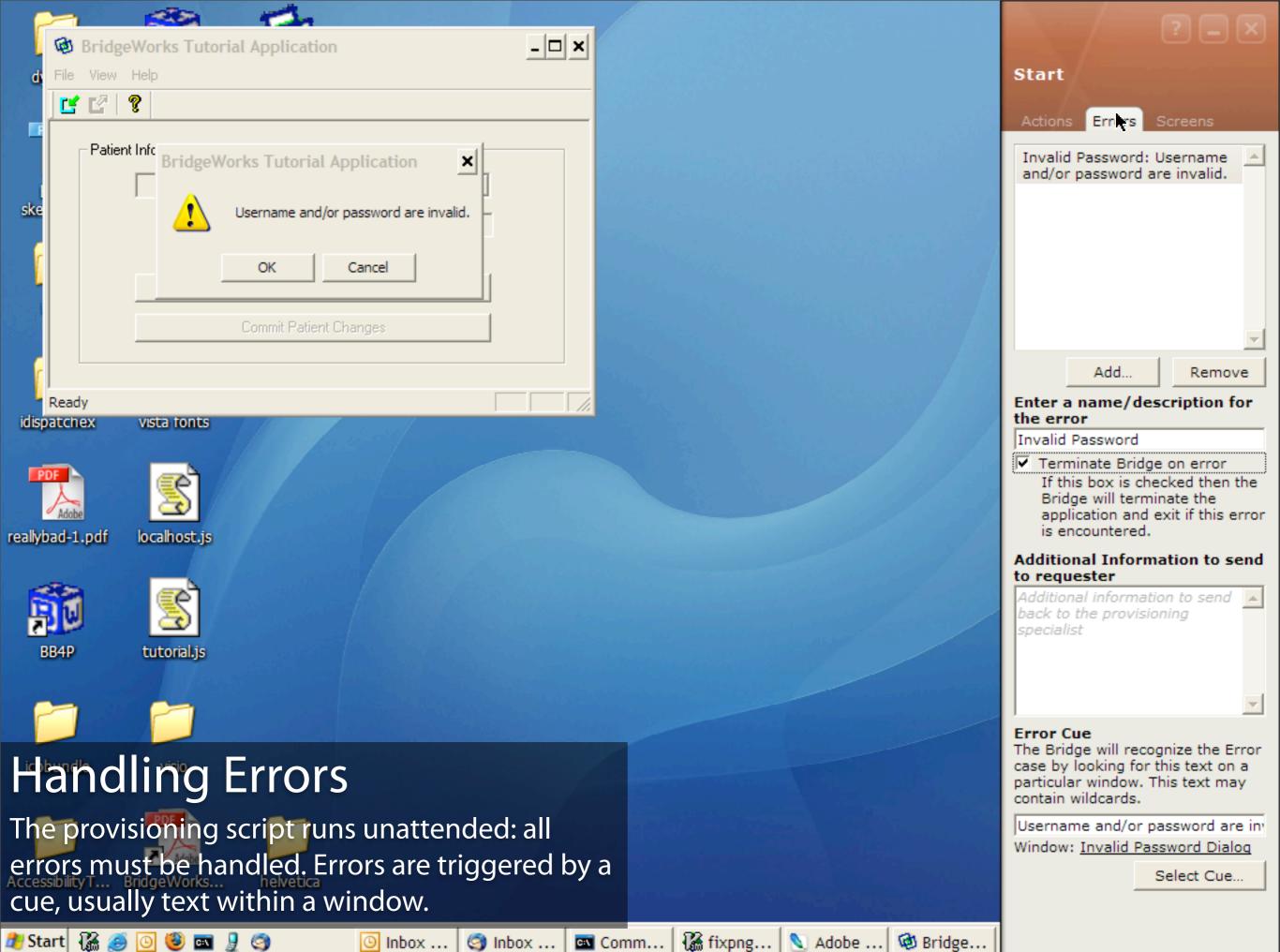
Remove

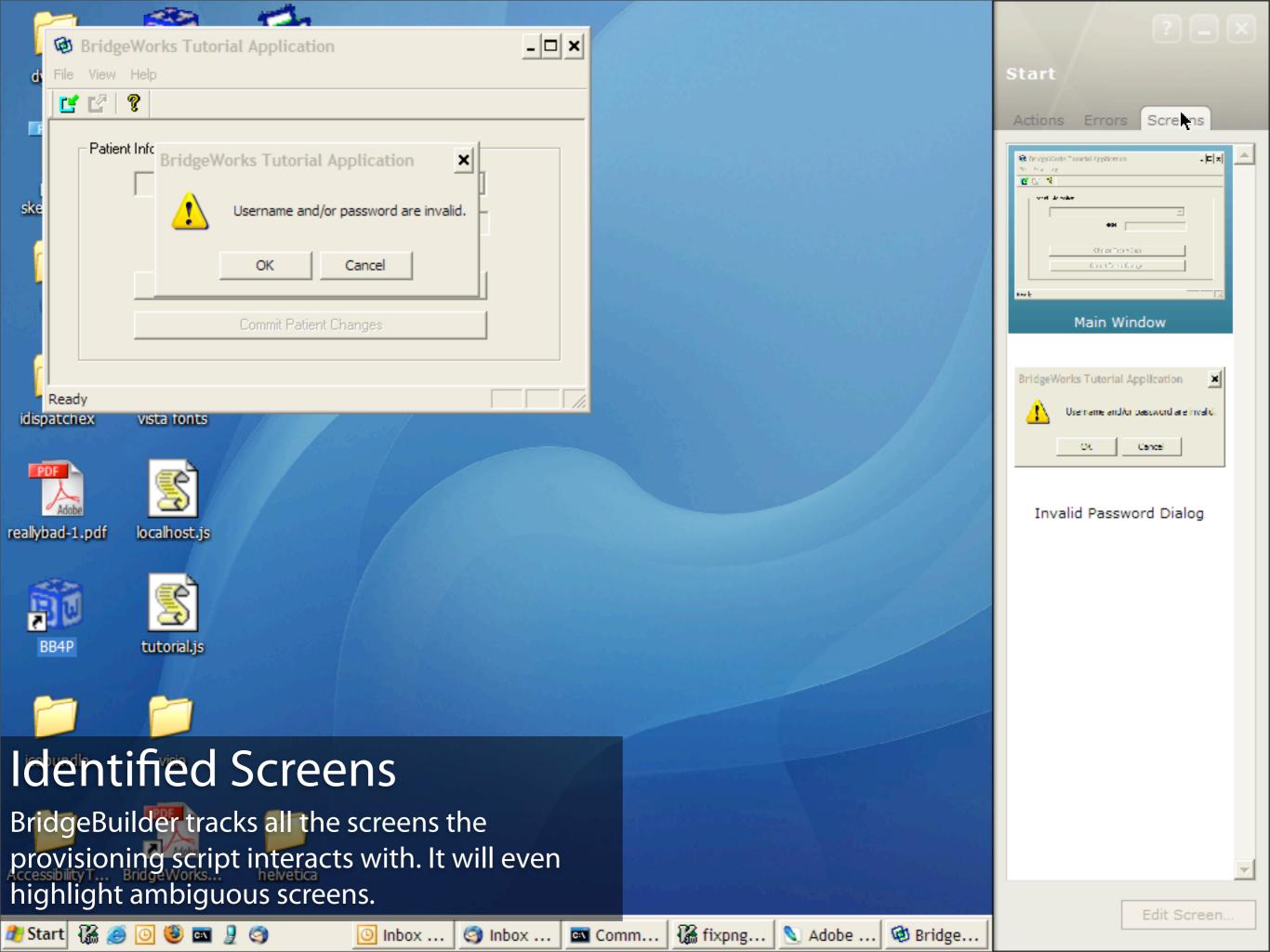
Menu command to perform.

Start Errors Screens Click Add to create an Action for Perform Menu Command Add. Perform Menu Command

Menu Command







Attributes

Click the Administrator Login Attributes or Account Attributes section to specify the Provisioning Manager attributes.

Administrator Login Attributes

Attributes in this Group are defined with the Master Configuration file for VPM and do not appear on the VPM Requestor page for the application. Data which is needed to run the application such as the administrative username and password are typically put in this Group, This Group cannot be deleted.

The administrative username for logging into the application

AppPassword

The administrative password for logging into the application

This special attribute is passed to the bridge for a Delete User Account request.

Account Attributes

Attributes in this Group appear on the VPM Requestor page for the application. Data in this group is used to add or delete user accounts.

First Name

The new user's first name

Last Name

The new user's last name

Full Name

The new user's full name

Attributes

Attributes are used to fill in application fields and can have sophisticated validation rules and scripts associated with them.

New Group

Delete Attribute.

Save...

Attribute

Name

Details

Full Name

Description

The new user's full name

Value Type

Identifies the type of value for which the attribute is used.

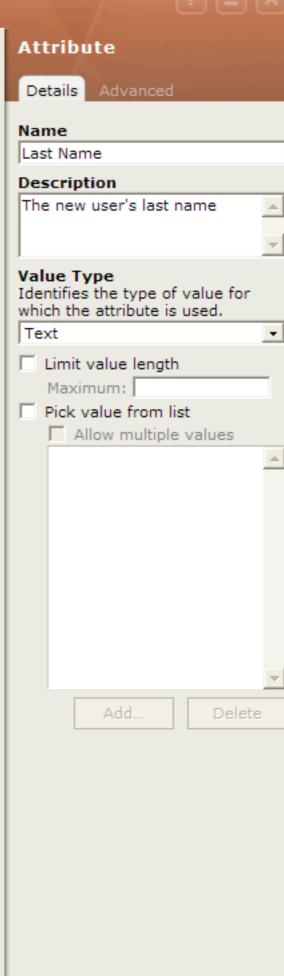
Text

Limit value length

Maximum:

Pick value from list

Allow multiple values



Summary

Generate the output files from this screen once the Application, Operations, and Attribute tabs have been completed. Files will be written to D:\Data\Docs\bridges\demo\output

Output Files

Bridge script

This is the Bridge Script which will be put on the VPM Bridge Server.

Import.

VPM App Config XML file

This file is used by VPM to generate the Requestor page.

Import..

VPM Master Config XML fragment

This piece of XML must be added to the ProvisioningManagerConfiguration.xml file on the VPM server.

BeanShell pre-script stub

A simple starting point for the scripts. The files will contain comments describing the attributes defined by Bridge Builder.

BeanShell post-script stub

A simple starting point for the scripts. The files will contain comments describing the attributes defined by Bridge Builder.

Create User Test Input File

A VPM input file for testing the Bridge with a Create User request. The file will need to be edited before use to add the values for each Attribute.

Delete User Test Input File

A VPM input file for testing the Bridge with a Delete User request. The file will need to be edited before use to add the values for each Attribute.

1 Your Bridge project has changed. Click the Generate Output Files... button below to create or update the Vergence Provisioning Manager files for your Bridge.

Generate Output Files...

No Login Id Attribute

One Attribute must be selected as the Login Id Attribute.

No Create User Account or Delete User Account actions

No actions have been set for creating or deleting an account. The generate bridge will not be able to perform any VPM requests.

Summary

The summary screen warns IT developers of incomplete steps.

Options..

Save...



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