



# Wonderware Online InStudio

DAVE V. AND DAVID A.

# Did you know?

InStudio.wonderware.com



- Everyone with a Wonderware Development Studio (Dev System) – has access to an online version of Wonderware Development
- You can create a multi-node system very easily for InTouch or System Platform
- You can have multiple projects, each with different versions of the Wonderware product
- Test New version of InTouch, System Platform, and Historian software
- Testing Upgrades – either perform upgrade on existing system or migrate an application to a new version
- You can share access to the Development with others inside or outside your corporation

# Wonderware Online InStudio

InStudio.wonderware.com



- Automatically and quickly build Wonderware system infrastructures in the cloud
- Manage all your customers' projects from one simple interface
- Collaborative development environment that can be accessed world-wide
- Initial release includes:
  - Multi-node system creation (up to 50 per project)
  - Support for InTouch/AppServer v10.1/3/1 SP3 P1 – 2014 R2 SP1
  - Automatic galaxy creation
  - Redundancy compatible
  - Automatic shutdown scheduling
  - Only charged for running time (not for storage)



# Project Lifecycle with InStudio

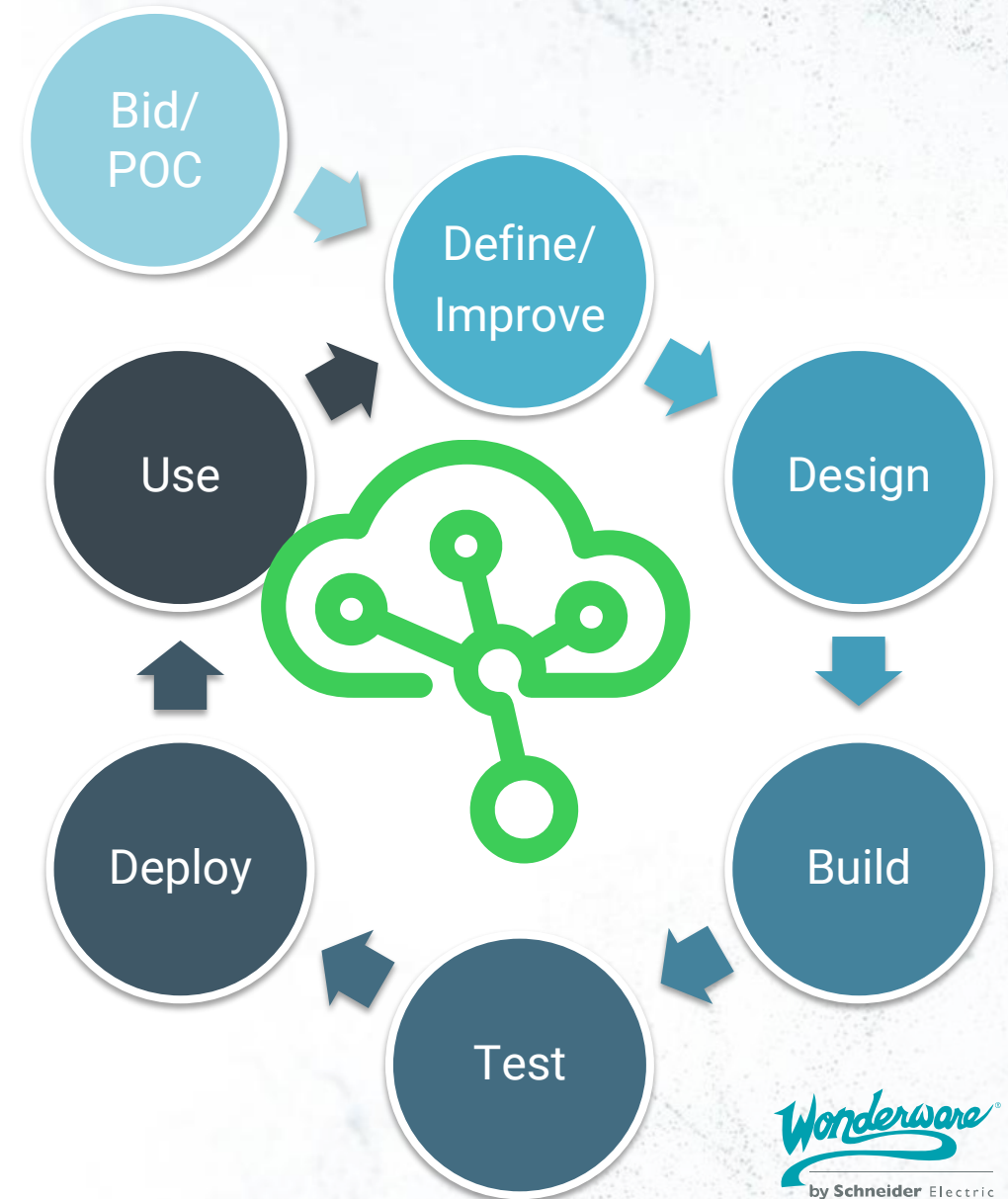
From Bid/Proof of Concept to Maintenance

## First pass

- Lower up-front costs
- Can start building the project before you have the computers
- Start the warranty clock as late as possible

## Continuing value

- Easily duplicate entire project
- Test upgrades
- Migrate applications between versions
- Training for customers as well as your staff
- Projects for different software versions



# Using InStudio – Additional Charges

InStudio.wonderware.com



- Wonderware charges for VM processing RUNNING time
- You buy credits for InStudio time from Wonderware Great Plains / Logic Inc. in \$100 increments
- The interface will give you estimates of RUNNING time charges
- You are only charged RUNNING time when the VM's are "active"
  
- Wonderware does NOT charge for:
  - Number of Solutions/Applications
  - Number of VM's
  - Cloud storage space
  - Number of products on each VM

# Wonderware InStudio Walkthrough

# Future Features

InStudio.wonderware.com



- Access machine directly from the browser
  - Simpler workflow
  - No need to open RDP port
- All data encrypted
  - In motion – already through secure RDP
  - At rest – by using Azure Resource Manager/BitLocker
- Toolkit to include other applications into InStudio site
  - Initially for Wonderware's internal use to make more applications available out-of-the-box
  - Will eventually release to Partners

# Wonderware InStudio Walkthrough



## Projects

ALL PERSONAL SHARED

Name	Running	Nodes	Configuration	Created On	Owner	
omi2	● 0	1	2017 InTouch OMI...	3/12/2018	Alex Richards...	⋮
Demo	● 0	2	2014 R2 SP1	3/8/2018	Wichita Sales	⋮
Wichita - OMI Demo	● 0	1	2017 InTouch OMI...	3/7/2018	Wichita Sales	⋮
Lee_2014R2_SQL14	● 0	1	2014 R2 SP1	3/6/2018	Lee Seneker	⋮
Topeka	● 0	1	2014 R2 SP1	2/16/2018	Alex Richards...	⋮
Penrow2017OMIDemo	● 0	1	2017 InTouch OMI...	2/12/2018	SalesTeam L...	⋮
Jack 2	● 0	4	2014 R2 SP1	2/9/2018	Alex Richards...	⋮
Dashboard	● 0	1	2017 InTouch OMI...	1/10/2018	Alex Richards...	⋮
ITMA	● 0	1	2014 R2 SP1	1/2/2018	Wichita Sales	⋮
Tier2 Dashboard	● 0	3	2014 R2 SP1	12/6/2017	Alex Richards...	⋮

## Subscription Information

Name  
Wonderware Great Plains

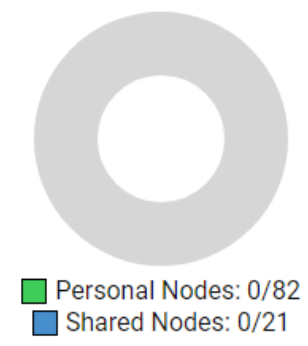
Customer First Agreement #  
██████████

Site ID  
██████

## Credit Balance

Shared \$ ██████

## Running Nodes





Wonderware Online InStudio



Create Project



Manage Projects



1  
Project  
Information

2  
System  
Configuration

3  
Node  
Configuration

4  
Automatic  
Shutdown

5  
Confirm and  
Complete

Select the type of system you want to create

-  InTouch (Standalone)
-  System Platform
-  Prometheus
-  2017 InTouch OMI Demo

Choose the type of system you want to create and give your project a name.

After creating your project, you'll add nodes and software to your system.

Project Name

David Test

\* Required

### Project Information

Site

Description

Link 1

Link 2

Link 3

NEXT



Project Information



System Configuration



Node Configuration



Automatic Shutdown



Confirm and Complete

Select the system version and add up to 50 nodes. Then, select the software that you want to run on each node.

Some software components require additional configuration. For information on these settings, select the (i) button.



System Platform

2014 R2 SP1

2014 R2 P1

2014 P1

2012 R2 P3

2012 P1

3.1 SP3 P1

ADD NODE

Node Name

Create Galaxy Repository? ⓘ

System Platform Development Server ⓘ

Remote System Platform Development Client ⓘ

Runtime Client ⓘ

Historian Server ⓘ

InTouch Access Anywhere Secure Gateway








Node1

PREVIOUS

NEXT





-   
 Project Information
-   
**System Configuration**
-   
 Node Configuration
-   
 Automatic Shutdown
-   
 Confirm and Complete

Select the system version and add up to 50 nodes. Then, select the software that you want to run on each node.






Some software components require additional configuration. For information on these settings, select the (i) button.



System Platform

2014 R2 SP1 ▾

ADD NODE

Node Name	Create Galaxy Repository? ⓘ	System Platform Development Server ⓘ	Remote System Platform Development Client ⓘ	Runtime Client ⓘ	Historian Server ⓘ	InTouch Access Anywhere Secure Gateway
 GRNode	<input checked="" type="checkbox"/> TestGalaxy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 Historian		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
 AOSNode1		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 AOSNode2		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 Gateway		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

PREVIOUS

NEXT



-   
 Project Information
-   
 System Configuration
-   
**Node Configuration**
-   
 Automatic Shutdown
-   
 Confirm and Complete

Select the hardware configuration for each node in your system.

Select hosting region West US ▾

Select VM performance class High Performance ▾

Estimated running cost: \$1.863/hour \$74.520/work week (40 hours/week)

Enable Multiple Network cards (required for redundancy)






*(Multiple network cards require at least Large Node type for all nodes - this can't be changed for an existing project.)*

Node Name	Medium ⓘ	Large ⓘ	Extra Large ⓘ	Enable Secondary NIC	\$/Hr	\$/Work Week (40 hrs/week)
GRNode	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	\$0.310	\$12.400
Historian	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>	\$0.623	\$24.920
AOSNode1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	\$0.310	\$12.400
AOSNode2	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>	\$0.310	\$12.400
Gateway	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	\$0.310	\$12.400

PREVIOUS

NEXT



-  Project Information
-  System Configuration
-  Node Configuration
-  **Automatic Shutdown**
-  Confirm and Complete

If you don't need a node to run constantly, you can configure it to automatically shut down, either in advance of an event or at the same time each day. This saves money and frees up system resources.

You can also configure automatic shutdown for the entire project.

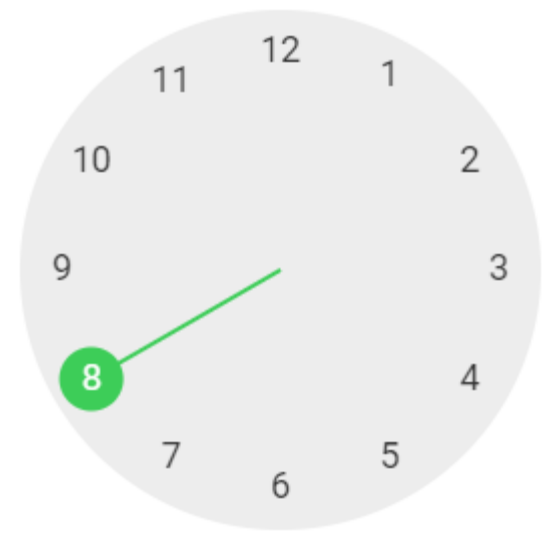
Do all nodes shut down at the same time every day?

Node Name	Hardware	Shutdown Schedule
GRNode	Large	<input type="checkbox"/>
Historian	Extra Large	<input type="checkbox"/>
AOSNode1	Large	<input type="checkbox"/>
AOSNode2	Large	<input type="checkbox"/>
Gateway	Large	<input type="checkbox"/>

PREVIOUS

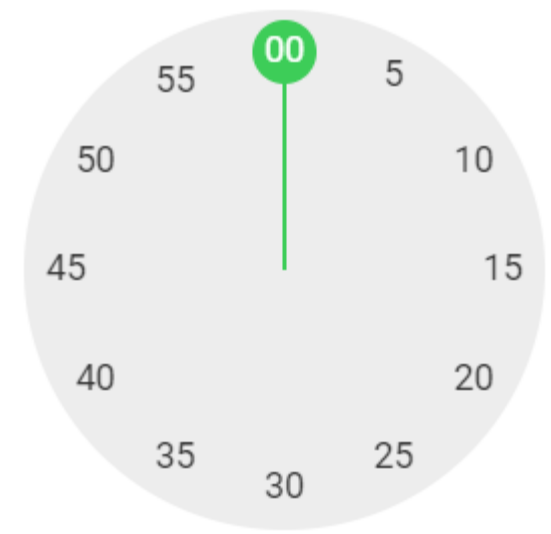
NEXT

08:00 AM  
PM



CANCEL OK






05:00 AM  
PM



CANCEL OK





-  Project Information
-  System Configuration
-  Node Configuration
-  **Automatic Shutdown**
-  Confirm and Complete

If you don't need a node to run constantly, you can configure it to automatically shut down, either in advance of an event or at the same time each day. This saves money and frees up system resources.

You can also configure automatic shutdown for the entire project.

Do all nodes shut down at the same time every day?  5:30 pm CDT

Node Name	Hardware	Shutdown Schedule
GRNode	Large	5:30 pm CDT
Historian	Extra Large	5:30 pm CDT
AOSNode1	Large	5:30 pm CDT
AOSNode2	Large	5:30 pm CDT
Gateway	Large	5:30 pm CDT

PREVIOUS

NEXT



Project Information



System Configuration



Node Configuration



Automatic Shutdown



Confirm and Complete

Make sure your project details are correct and provide at least one email address for the project creation notification. Then, select CREATE PROJECT.

Estimated running cost: \$1.863/hour \$74.520/work week (40 hours/week)

### Project Summary

Nodes: 5

System Platform 2014 R2 SP1

Name	Type	\$/Hr	\$/work week (40 hrs/week)
GRNode	2 Cores/7 GB	\$0.310	\$12.400
Historian	4 Cores/14 GB	\$0.623	\$24.920
AOSNode1	2 Cores/7 GB	\$0.310	\$12.400
AOSNode2	2 Cores/7 GB	\$0.310	\$12.400
Gateway	2 Cores/7 GB	\$0.310	\$12.400

danderson@wonderwaregp.com

We will notify you when your project is ready.  
Multiple addresses may be entered separated by a semicolon.

Example: myaddress@mail.com; another@mail.com

Select whether this will be a Personal or a Shared project.

Personal Project

Shared Project

CREATE PROJECT

PREVIOUS

## Create Project Request Successful

Create project request successful.

Your 5-node project is estimated to be ready within 1 hour 20 minute(s).

When it is ready, we will notify you through your specified email address(es).

Click OK to view your projects.

OK

## Wonderware Online InStudio

Hello David,

**Your project is ready!** Review the following instructions to access your project.

The Wonderware Online InStudio project, David Test with 5 nodes: Historian, Gateway, GRNode, AOSNode2, AOSNode1 is ready for you.

### Start your project

Connect to the Wonderware Online InStudio site and start your project from the **Manage Projects** page.

### View the user account(s) for your project

For security purposes, each node under each project has a randomly-generated username and password when it is created. After you start your project, you can view the username and initial password for each node. To connect to and use one of your nodes, do the following:

1. Sign in to the Wonderware Online InStudio site at <https://instudio.wonderware.com/>.
2. At the top left, select **three-line menu** and then select **Manage Projects**
3. On the **Manage Projects** page, find your project in the list. Select the ellipsis (...) menu to the right of the project name and select **Start** to start your project. All nodes under this project will be started.  
Note: This typically takes 5 to 10 minutes, but it could take longer, depending on the number of nodes under this project.
4. To see the details of your project, select the ellipsis (...) menu and select **Details**.
5. To view your user account/password, go to the **Nodes** section. Select the ellipsis (...) menu to the right of the node name and select **View Credentials** The node must have a status of "Running" for you to view the credentials.
6. From the same ellipsis (...) menu, select **Connect** to download the RDP file to connect to your node.

After connecting to your VM, you can view the Readme file on the desktop for more details about your VM.

We recommend that you create another local administrator account on the machine and log in using those credentials in the future.

Thank you for using Wonderware Online InStudio!



## Projects

ALL PERSONAL SHARED

Name	Running	Nodes	Configuration	Created On	Owner
David Test	<span style="color: yellow;">●</span> 0	5	2014 R2 SP1	3/26/2018	David Anders...
omi2	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	3/12/2018	Alex Richards...
[Redacted] Demo	<span style="color: gray;">●</span> 0	2	2014 R2 SP1	3/8/2018	Wichita Sales
Wichita - OMI Demo	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	3/7/2018	Wichita Sales
Lee_2014R2_SQL14	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	3/6/2018	Lee Seneker
Topeka	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	2/16/2018	Alex Richards...
Penrow2017OMIDemo	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	2/12/2018	SalesTeam L...
Jack 2	<span style="color: gray;">●</span> 0	4	2014 R2 SP1	2/9/2018	Alex Richards...
[Redacted] Dashboard	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	1/10/2018	Alex Richards...
[Redacted] ITMA	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	1/2/2018	Wichita Sales

## Subscription Information

Name  
Wonderware Great Plains

Customer First Agreement #  
[Redacted]

Site ID  
[Redacted]

## Credit Balance

Shared \$ [Redacted]

## Running Nodes



■ Personal Nodes: 0/87  
■ Shared Nodes: 0/21

← David Test

EDIT PROJECT

▲ Details

Running ● 0	Nodes 5	Project Type ✎ Personal
Configuration WSP 2014 R2 SP1	Region West US	
Created 03/26/2018	Owner ✎ David Anderson	

Project Information	
Site	HQ
Description	Testing stuff out
Link 1	
Link 2	
Link 3	

▲ Nodes

Name	Status	Uptime	Hardware
AOSNode1	● Stopped	---	Large
AOSNode2	● Stopped	---	Large
GRNode	● Stopped	---	Large

## Start David Test

Are you sure you want to start David Test? This will start all stopped nodes in this project.

CANCEL

START

## Projects

ALL PERSONAL SHARED

Name	Running	Nodes	Configuration	Created On	Owner
David Test	<span style="color: green;">●</span> 5	5	2014 R2 SP1	3/26/2018	David Anders...
omi2	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	3/12/2018	Alex Richards...
[Redacted] Demo	<span style="color: gray;">●</span> 0	2	2014 R2 SP1	3/8/2018	Wichita Sales
Wichita - OMI Demo	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	3/7/2018	Wichita Sales
Lee_2014R2_SQL14	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	3/6/2018	Lee Seneker
Topeka	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	2/16/2018	Alex Richards...
Penrow2017OMIDemo	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	2/12/2018	SalesTeam L...
Jack 2	<span style="color: gray;">●</span> 0	4	2014 R2 SP1	2/9/2018	Alex Richards...
[Redacted] Dashboard	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	1/10/2018	Alex Richards...
[Redacted] ITMA	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	1/2/2018	Wichita Sales

## Subscription Information

Name  
Wonderware Great Plains

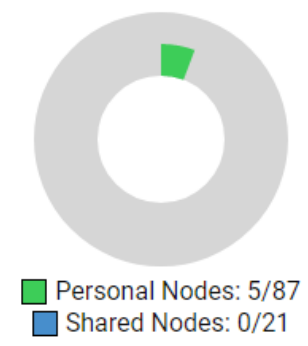
Customer First Agreement #  
[Redacted]

Site ID  
[Redacted]

## Credit Balance

Shared \$ [Redacted]

## Running Nodes







▲ Details

Running	Nodes	Project Type
● 5	5	Personal
Configuration	Region	
WSP 2014 R2 SP1	West US	
Created	Owner	
03/26/2018	David Anderson	

### Project Information

Site	HQ
Description	Testing stuff out
Link 1	
Link 2	
Link 3	

▲ Nodes

Name	Status	Uptime	Hardware	
AOSNode1	● Running	0 days 00:00:33	Large	⋮
AOSNode2	● Running	0 days 00:00:32	Large	⋮
GRNode	● Running	0 days 00:00:32	Large	⋮
Gateway	● Running	0 days 00:00:32	Large	⋮
Historian	● Running	0 days 00:00:32	Extra Large	⋮

Running Nodes Project type  
5 5  Personal  
Configuration Region  
WSP 2014 R2 SP1 West US  
Created Owner  
03/26/2018  David Anderson

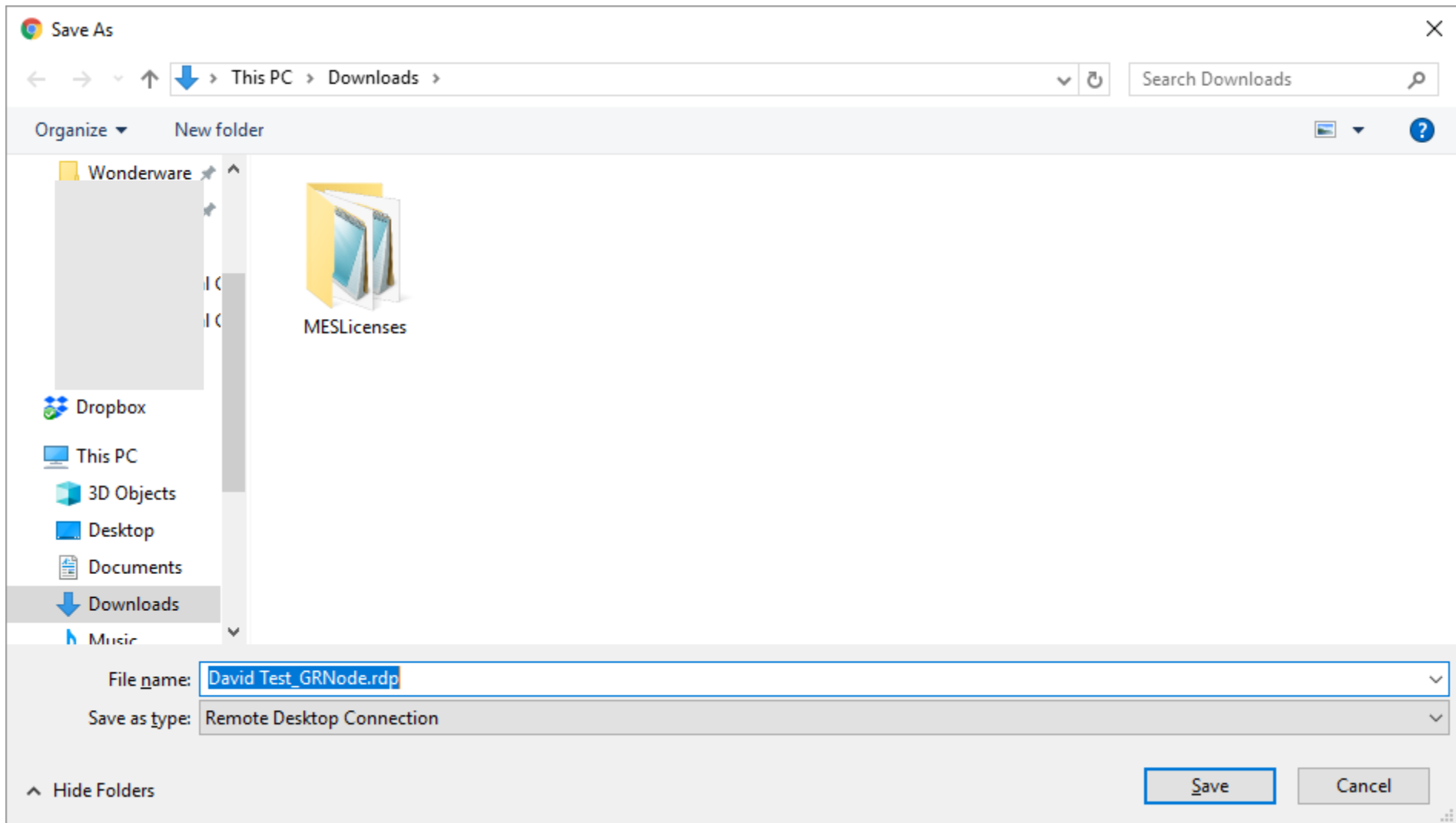
### Project Information

Site	HQ
Description	Testing stuff out
Link 1	
Link 2	
Link 3	

### ▲ Nodes

Name	Status	Uptime	Hardware
AOSNode1	<span>●</span> Running	0 days 00:03:20	Large
AOSNode2	<span>●</span> Running	0 days 00:03:19	Large
GRNode	<span>●</span> Running	0 days 00:03:19	Large
Gateway	<span>●</span> Running	0 days 00:03:19	Large
Historian	<span>●</span> Running	0 days 00:03:19	Extra Large

- Connect...
- View Credentials...
- Start
- Stop
- Delete...



## Credentials for GRNode

Username: localhost\jTBP [REDACTED]

Password: [REDACTED]

OK



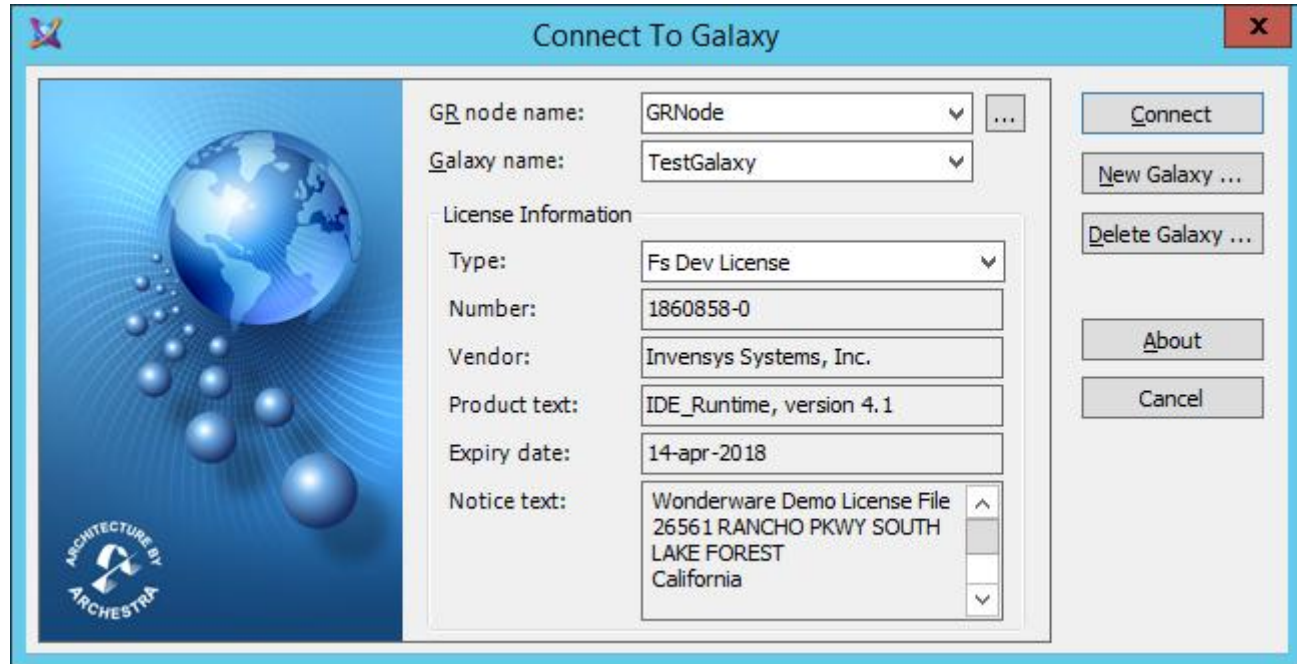
Recycle Bin



Wonderware  
Installation...

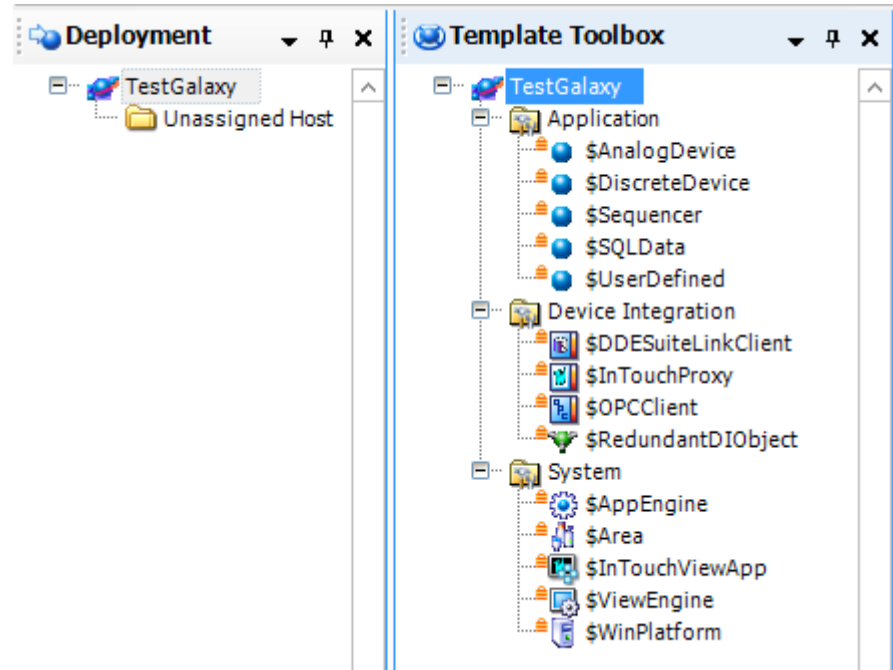
Life Is On



A dialog box titled "Connect To Galaxy" with a blue header and a red close button. The left side features a blue background with a globe and a logo that says "ARCHITECTURE BY ORCHESTRA". The right side contains several input fields and buttons.

Field	Value
GR node name:	GRNode
Galaxy name:	TestGalaxy
License Information	
Type:	Fs Dev License
Number:	1860858-0
Vendor:	Invensys Systems, Inc.
Product text:	IDE_Runtime, version 4.1
Expiry date:	14-apr-2018
Notice text:	Wonderware Demo License File 26561 RANCHO PKWY SOUTH LAKE FOREST California

Buttons: Connect, New Galaxy ..., Delete Galaxy ..., About, Cancel





## Projects

ALL PERSONAL SHARED

Name	Running	Nodes	Configuration	Created On	Owner
David Test	<span style="color: green;">●</span> 5	5	2014 R2 SP1	3/26/2018	David Anders...
omi2	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	3/12/2018	Alex Richards...
Demo	<span style="color: gray;">●</span> 0	2	2014 R2 SP1	3/8/2018	Wichita Sales
Wichita - OMI Demo	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	3/7/2018	Wichita Sales
Lee_2014R2_SQL14	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	3/6/2018	Lee Seneker
Topeka	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	2/16/2018	Alex Richards...
Penrow2017OMIDemo	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	2/12/2018	SalesTeam L...
Jack 2	<span style="color: gray;">●</span> 0	4	2014 R2 SP1	2/9/2018	Alex Richards...
Dashboard	<span style="color: gray;">●</span> 0	1	2017 InTouch OMI...	1/10/2018	Alex Richards...
ITMA	<span style="color: gray;">●</span> 0	1	2014 R2 SP1	1/2/2018	Wichita Sales

## Subscription Information

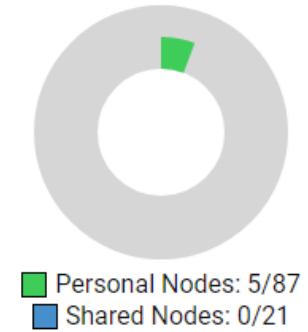
Name  
Wonderware Great Plains  
Customer First Agreement #  
[Redacted]

- Details...
- Start
- Shutdown
- Delete...

## Credit Balance

Shared \$ [Redacted]

## Running Nodes



## Shutdown David Test

Are you sure you want to shutdown David Test? This will shutdown all running nodes in this project.

[CANCEL](#) [SHUTDOWN](#)



## Administration



Users



User Seats



### Users



Email Address ↑

First Name

Last Name

Role

Status



alex@logic-control.com

Alex

Richardson

Administrator

Registered



ccarlson@logic-control.com

Chris

Carlson

Administrator

Registered



danderson@wonderwaregp.com

David

Anderson

Administrator

Registered



don@logic-control.com

Don

VanLandingham

Administrator

Registered



jared@logic-control.com

Jared

VanLandingham

Administrator

Registered



jdoll@logic-control.com

Jojn

Doll

Standard User

Registered



jschmelzel@wonderwaregp.com

Jeff

Schmelzel

Administrator

Registered



lee@logic-control.com

Lee

Seneker

Administrator

Registered

### Add User

Email Address

someone@somewhere.com

---

An invitation email will be sent to the user.

### Security Access

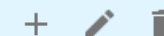
This user will act as a Standard User ▼

CANCEL

ADD



1 user selected ✕



<input type="checkbox"/>	Email Address ↑	First Name	Last Name	Role	Status
<input checked="" type="checkbox"/>	alex@logic-control.com	Alex	Richardson	Administrator	Registered
<input type="checkbox"/>	ccarlson@logic-control.com	Chris	Carlson	Administrator	Registered
<input type="checkbox"/>	danderson@wonderwaregp.com	David	Anderson	Administrator	Registered
<input type="checkbox"/>	don@logic-control.com	Don	VanLandingham	Administrator	Registered
<input type="checkbox"/>	jared@logic-control.com	Jared	VanLandingham	Administrator	Registered
<input type="checkbox"/>	jdoll@logic-control.com	Jojn	Doll	Standard User	Registered
<input type="checkbox"/>	jschmelzel@wonderwaregp.com	Jeff	Schmelzel	Administrator	Registered
<input type="checkbox"/>	lee@loaic-control.com	Lee	Seneker	Administrator	Registered

- Edit
- Remove



Seat Number ^	Assigned To	Effective On	Expires On	
1	SalesTeam Logic	1/11/2017	1/1/2100	⋮
2	Tanner Davignon	1/11/2017	1/1/2100	⋮
3	David Anderson	1/11/2017	1/1/2100	⋮
4	Alex Richardson	1/11/2017	1/1/2100	⋮
5	Tanner Davignon	1/11/2017	1/1/2100	⋮
6	Wichita Sales	1/11/2017	1/1/2100	⋮