Using the Unplug Plugin



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Simplicity is Good



ElectricCommander plugins are a great way to customize the user experience.

The unplug plugin was developed to provide a way to experiment with plugins without having to make a huge investment in the overhead commonly associated with writing a full GWT plugin.

The "Unplug" plugin

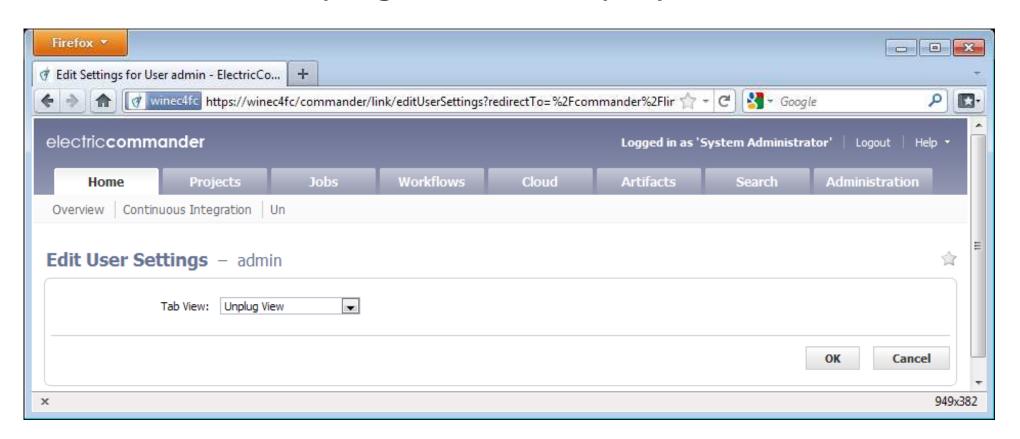


- What is "Unplug"?
 - An easily-customized CGI plugin that can be added to the Commander UI
 - A framework ideally-suited for rapid prototyping of plugin logic and presentation
 - A quick and easy way to learn the basics of Commander UI plugins

How Do I Use It?

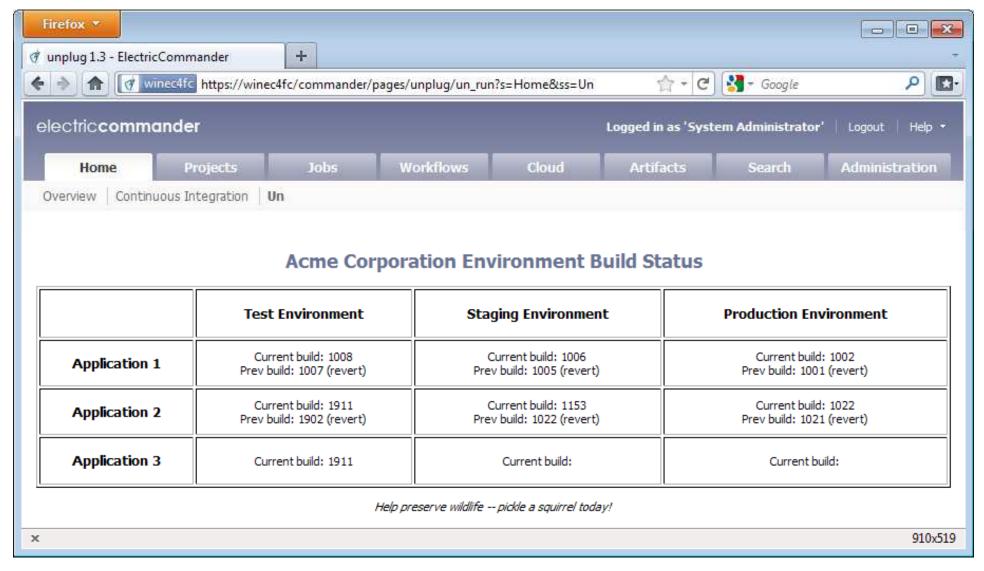


- Install and promote in the normal fashion.
- Select the unplug view to display the 'un' tab.



Initial (example) Content

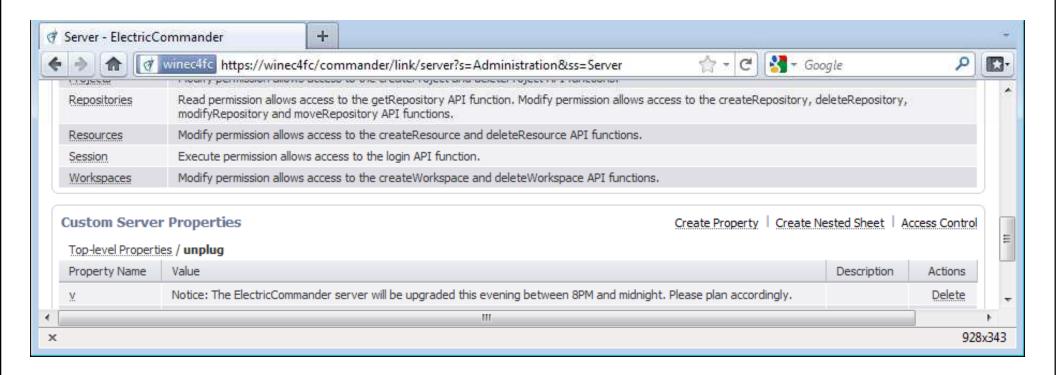




Changing What's Displayed



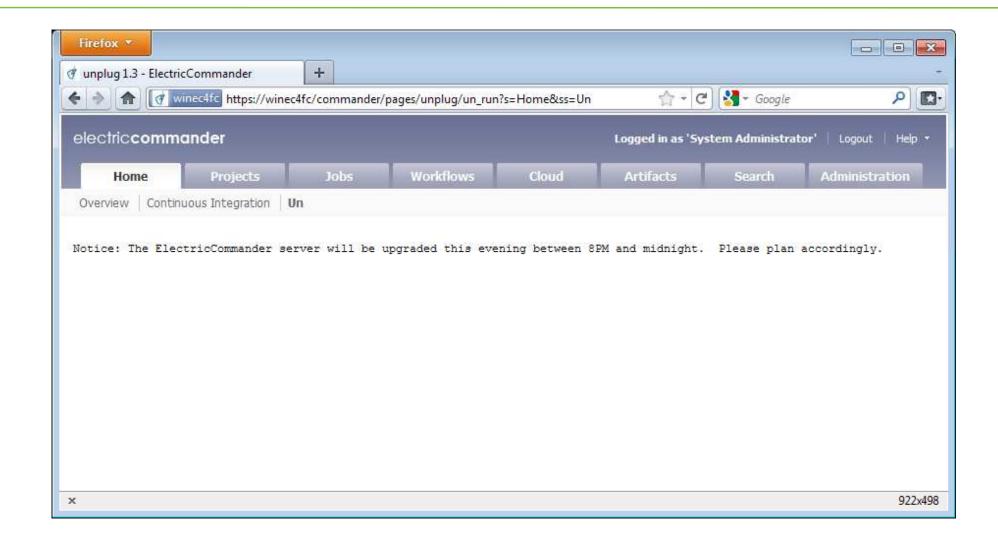
 What's displayed is determined by the property /server/unplug/v



(Note: The examples in this presentation are all packaged for your convenience with the plugin itself)

Changing What's Displayed





Displaying HTML

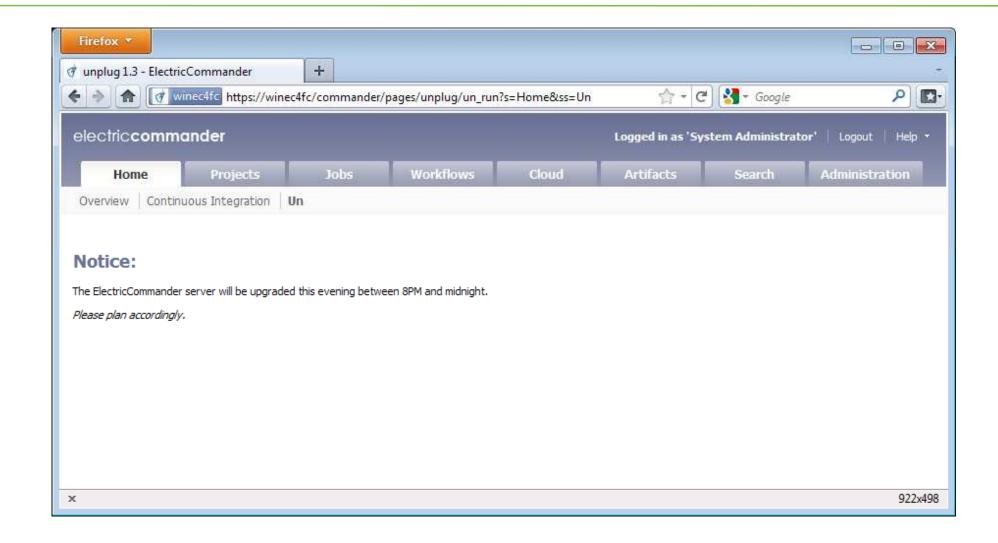


 If the first line of the property's value includes what looks like a tag containing the string "html", unplug treats the content as raw HTML:

```
$ ectool getProperty /server/unplug/v
   <!--html-->
   <h1>Notice:</h1>The ElectricCommander
   server will be upgraded this evening
   between 8PM and midnight.
   <i> Please plan accordingly.</i>$
```

Displaying HTML





Using Property Expansion

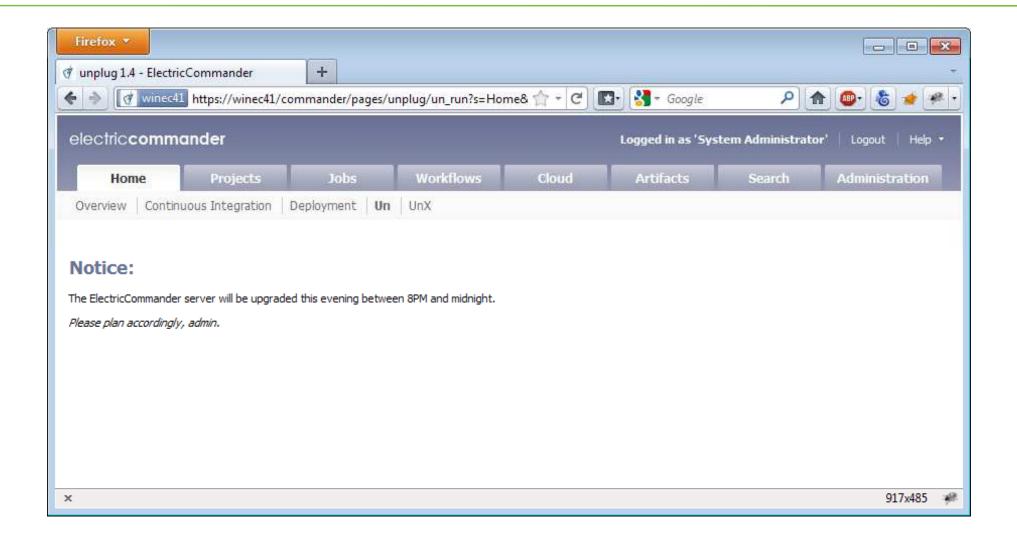


Property expansion works just like any other property in Commander:

```
$ ectool getProperty /server/unplug/v
    <!--html-->
    <h1>Notice:</h1>The ElectricCommander
    server will be upgraded this evening
    between 8PM and midnight.
    <i> Please plan accordingly,
    $[/myUser/userName].</i>$
```

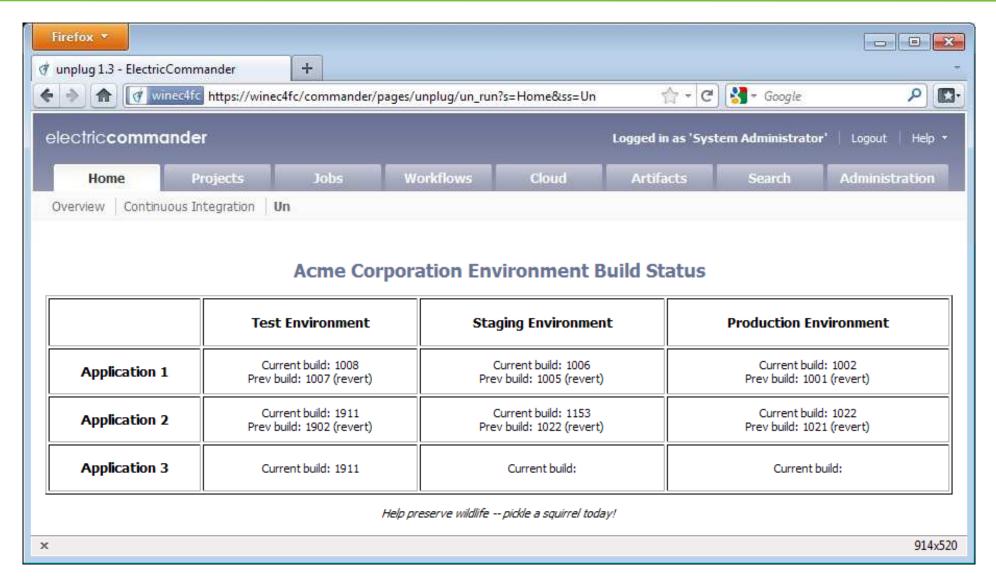
Displaying HTML





Quick UI Mockup (HTML)





Adding Perl Logic



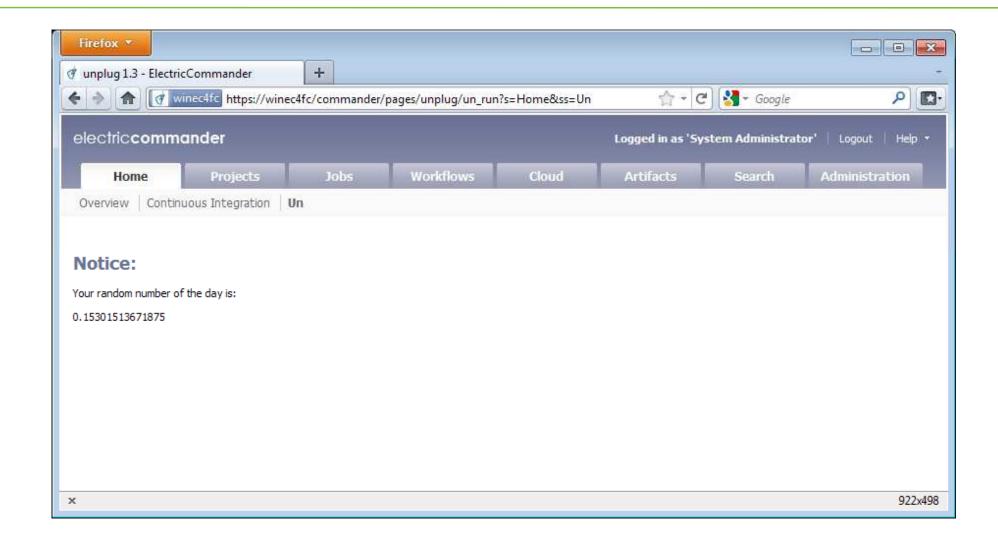
\$ ectool getProperty /server/unplug/v

```
#!ec-perl
$HTML .= "<h1>Notice:</h1>";
$HTML .= "Your random number of the day is: ";
$HTML .= ";
$HTML .= rand();
```

\$

Adding Perl Logic





Use Case: Job Status Display



The Problem:

"We have too many jobs running in Commander, and as a result, the jobs tab in Commander is not suitable to our needs. Even if we select the maximum number of jobs per page, our operations team can't view the status of all the jobs we expect to have active at any given time."

Use Case: Solution



electric commander Logged in as 'System Administrator'											Logout	Help							
Н	lome	Р	rojects		Jobs		Workflo	ws	Clou	ıd	Arti	facts	S	earch	Adı	ministra	tion		
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7698	7660	7659	7655	7648	7647	7646	() 7645	7644	7642	7641	7640			7636	7633	7631	7629	7628	A 7627
() 7626	7625	7624	7621	7620	7619	7617	7615	7612	7512	7511	7510	7509	7508	7507	7506	7505	7504	7503	742
7421	7420		7418	7417	7410	7401	7400	7399	7398	7397	7396	7395	7394	7393	7392	7391	7390	7389	7388
7387	7386	7385	7384	7383	7382	7380	(7378	7377	7370	7369	7368	7367	7366			7345	7335	7333
7331	7329	7326	7325	7322	7321	7320	(C) 7318	7317	7316	7314	7313	(C) 7311	7310	7309	7307	7306	7305	(C) 7304	730
7299	7298	7297	7296	7268	7267	7266	7265	7264	7263	7262	7261	7260	7259	7258	7256	7255	7254	7253	725:
()				7210	7204	7200	7147	7146	7145	7144	7143	7142	7141	7140	7139	7138	()	7089	7088
7085	7084	7082	7081	7080	7035	7034	7033	7031	7030	7029	7028	7027	7026	7024	()	7021	7020	7016	7010
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Selecting the Right Tool



	Unplug/CGI	GWT				
Visual Appearance	×	√				
Dynamic Updates	×	√				
General Responsiveness	×	√				
Server Load	×					
Java	×	√				
Simple		×				
Fast Prototyping	√	×				
Flexibility		×				
Reusability		×				
Perl		×				