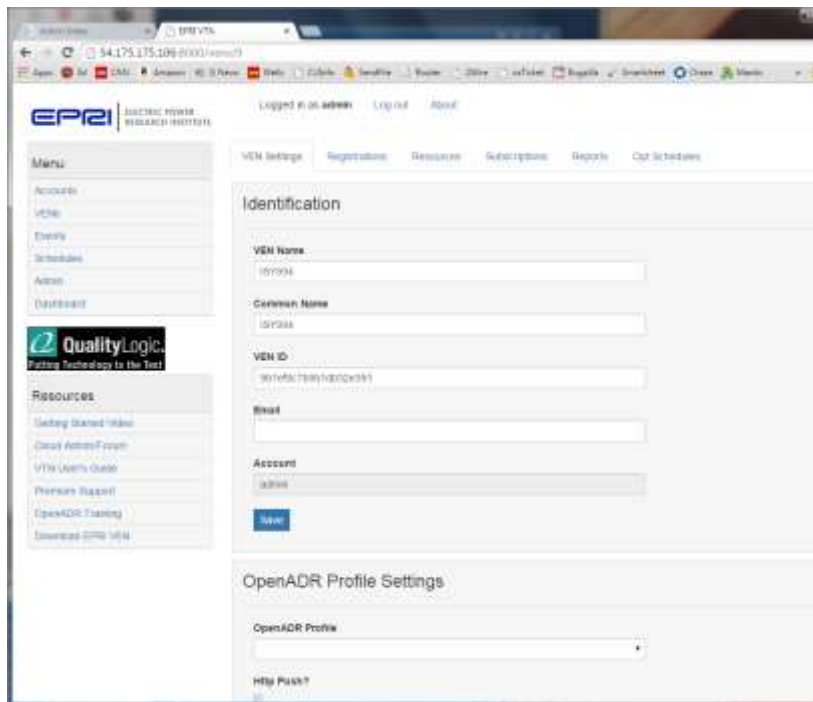




**ISY994 Series – OpenADR 2.0(a)/(b)
EPRI VTN Configuration Guide
Courtesy of Jim Zuber at QualityLogic
*Requires firmware 4.1.3+**

1. From the EPRI VTN, create a new VEN with the following configuration settings:



2. Subscribe to marketContext1 as show below:

The screenshot shows the EPRi VTN portal interface. The user is logged in as 'Admin'. The main navigation menu includes: VTN Settings, Registrations, Resources, Subscriptions, Reports, and Our Schedules. The 'Subscriptions' section is active, displaying 'Market Context Subscriptions'. A table lists two subscriptions:

Market Context	Party ID	Actions
http://MarketContext1	021314 http://MarketContext1	Unsubscribe
http://MarketContext2		Subscribe

Additional elements on the page include a 'QualityLogic' logo with the tagline 'Putting Technology to the Test', a 'Resources' sidebar with links like 'Getting Started Manual', 'Contact Admin Forum', 'VTN Users Guide', 'Premium Support', 'EpruQDR Training', and 'Download 2016 VTN', and a copyright notice 'Copyright © 2016 EPRi'.

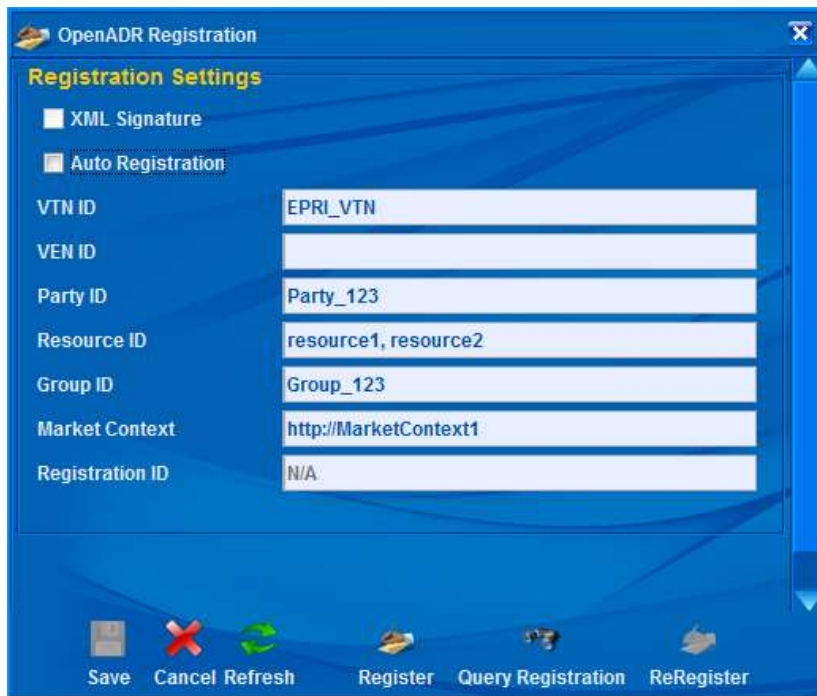
3. Configure ISY settings as follows using your IP address of you EPRI VTN.

The screenshot shows the 'OpenADR Settings' application window with the following configuration details:

- Enabled:**
- Polling Interval (sec):** 10
- Profile:** 2.0, b
- Server URL:** http://54.175.175.106:8080/OpenADR2/Simple/2.0b
- User ID:** [Empty]
- Password:** [Empty]
- OpenADR 2.0 Settings:**
 - VTN Interaction Mode:** Pull
 - Evaluation Interval (sec):** 10
 - XML Signature:**
 - Auto Registration:**
 - Push URL Base:** [Empty]
 - VTN ID:** EPRI_VTN
 - VEN ID:** [Empty]
 - Party ID:** Party_123
 - Resource ID:** resource1, resource2
 - Group ID:** Group_123
 - Market Context:** http://MarketContext1
 - Registration ID:** 2574521e919c8b5d4d51
- Normal Mode Settings:**
 - Setpoint Offset *:** 2
 - Duty Cycle %:** 0
 - Load Adj %:** 0
- Moderate Mode Settings:**
 - Setpoint Offset *:** 4
 - Duty Cycle %:** 0
 - Load Adj %:** 0

At the bottom of the window, there are three buttons: Save, Cancel, and Refresh.

4. From the ISY Registration dialog, make sure it is configured as show below, then click on the register button at the bottom. You should see the registration ID change from N/A to a hex number.



The screenshot shows the 'OpenADR Registration' dialog box with the following settings:

Field	Value
XML Signature	<input type="checkbox"/>
Auto Registration	<input type="checkbox"/>
VTN ID	EPRI_VTN
VEN ID	
Party ID	Party_123
Resource ID	resource1, resource2
Group ID	Group_123
Market Context	http://MarketContext1
Registration ID	N/A

At the bottom of the dialog, there are five buttons: Save, Cancel, Refresh, Register, and ReRegister.

5. To create an event, select the Events tab at the left side of the screen, then click the Create Event Button and you will see the following dialog. Check the following fields in the dialog as shown below: Duration, Signal Type Payload. Then click the green Create Event button.

The screenshot displays the EPRI Events Management web application. The interface is divided into a left-hand navigation menu and a main content area. The main content area is titled 'Event Details' and contains several input fields for event configuration. Below this, there is a section titled 'Event Signal and Interval' with additional input fields. A prominent green 'Create Event' button is visible at the bottom of the form.

Event Details

Start Time	Duration (minutes)	Market Context ID
2015-04-24 01:48:25 UTC	10	http://marketContext/
Priority	Response Required	VTN Comment
0	always	
Test Event		
State		

Event Signal and Interval

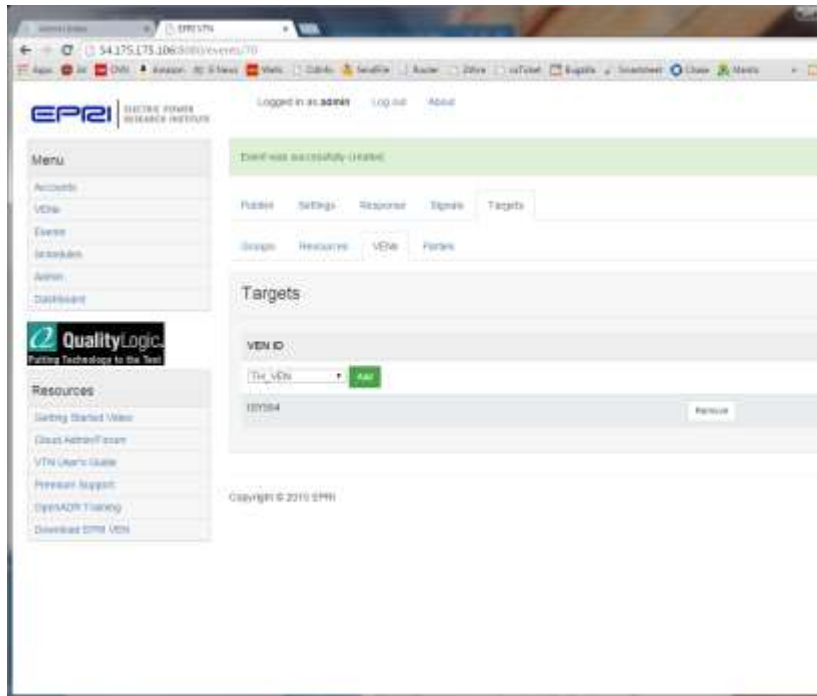
Signal Name	Signal Type	Payload Value
RTSP	text	0

Create Event

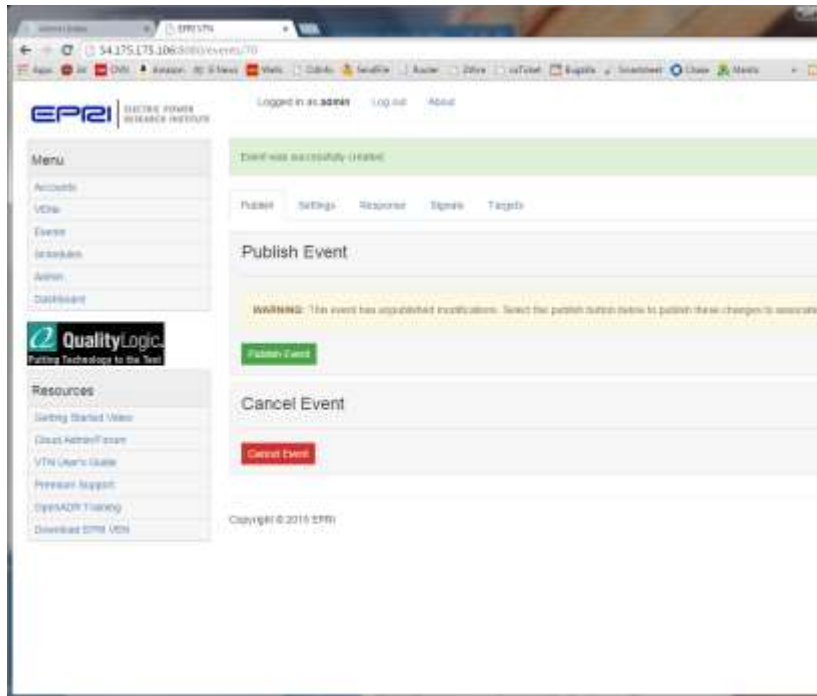
Back

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6. Click on the target tab, then the VENs sub tab. Select ISY994 from the drop down and click add as show below



7. Click on the publish tab and click the green Publish Event button as show below. Your event will now be available to be pick up by the VENs next polling interval.



At the next polling interval you will see the event in ISY as show below:

