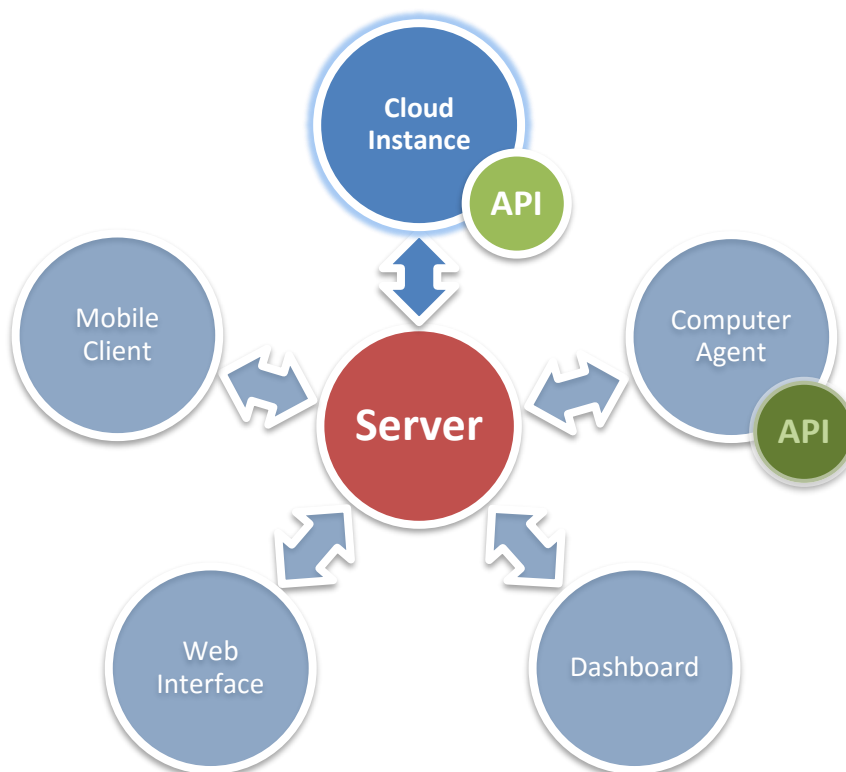




.NET Cloud API
Quick Reference Guide

Getting Started

Using the .NET Cloud API you can monitor and control any .NET application or service. Pulseway .NET Cloud API can be added directly as a reference; this way you can monitor, manage and control your application instances from anywhere using your smartphone or tablet.



To get started all you need to do is add a reference to the Pulseway .NET Cloud API library (Pulseway Cloud.dll) and add two lines of code in your application:

```
Service instance = new Service("Demo Instance", "Cloud", "Cloud Instance, false);
```

The last parameter in the "Configure" method represents the offline notification switch; if set to true you will receive a notification when the instance goes offline.

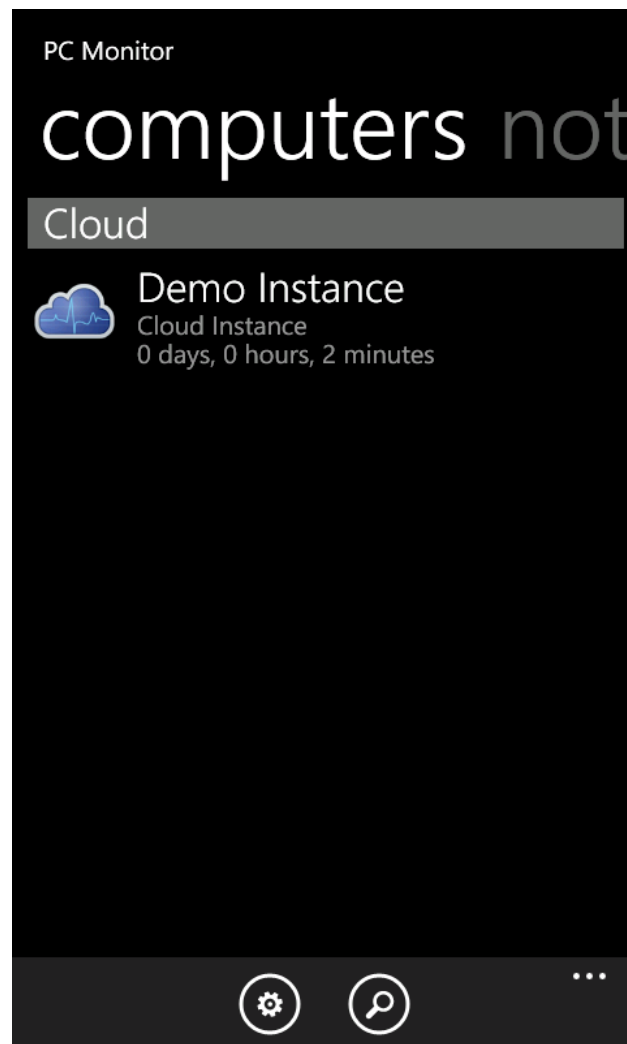
```
instance.Start("username", "password", "API Key");
```

Note: If you have a dedicated server add a 4th parameter with the server address (like "pulseway.domain.com")

```
instance.Start(username, password, "API Key", "your dedicated server address");
```

You can retrieve your API Key at www.pulseway.com/account

The instance will appear on the computer list on your phone as online. When you select that instance the details will load – at this stage the details screen will be empty as no application details have been set just yet.



Instance Details

The API supports 3 types of items to be displayed:

Simple Items – Title/Subtitle read only items typically used to display custom runtime application parameters;

Command Items – items used to issue commands to the running instance of the application being monitored;

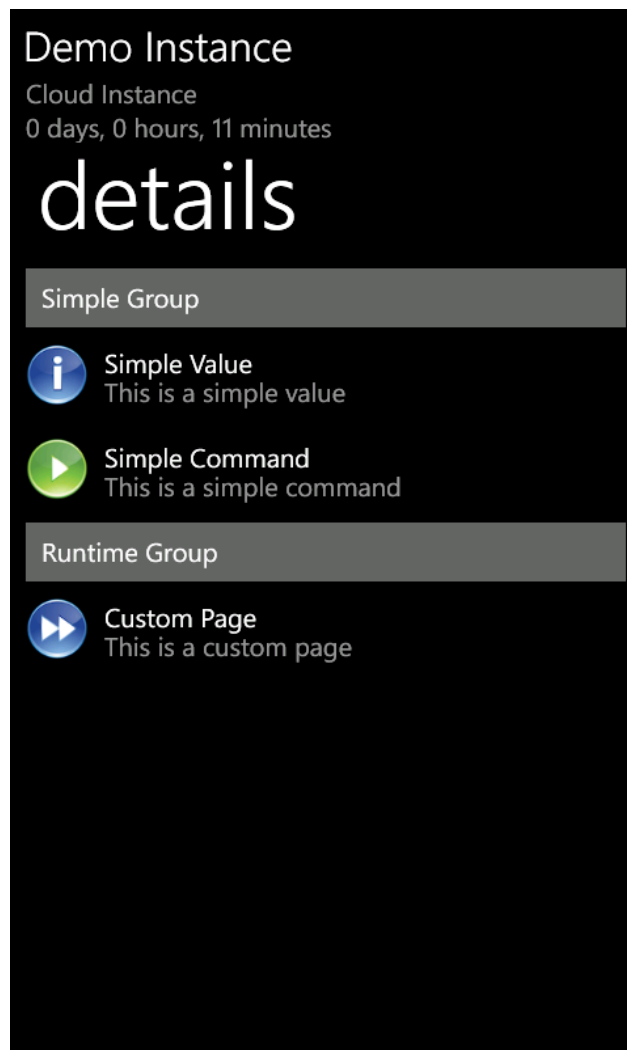
Page Items – used for grouping the more complex information into pages.

To populate the instance details you will need to subscribe to the OnDetailsRequest event:

```
instance.OnDetailsRequest += OnDetailsRequest;
```

In the event handler set the details you want to be displayed:

```
void OnDetailsRequest()  
{  
    Groups result = new Groups();  
    Group simpleGroup = new Group("Simple Group");  
  
    SimpleItem item = new SimpleItem("Simple Value", "This is a simple value");  
    simpleGroup.Items.Add(item);  
  
    CommandItem commandItem = new CommandItem(1, "Simple Command", "This is a  
simple command");  
    simpleGroup.Items.Add(commandItem);  
  
    Group runtimeGroup = new Group("Runtime Group");  
  
    PageItem page = new PageItem(1, "Custom Page", "This is a custom page");  
    runtimeGroup.Items.Add(page);  
  
    result.Add(simpleGroup);  
    result.Add(runtimeGroup);  
  
    instance.SetDetails(result);  
}
```



Command Handling

When the user selects a command your application instance will be notified so you can perform a certain task assigned to the command. For this you need to subscribe to the OnCommandReceived event:

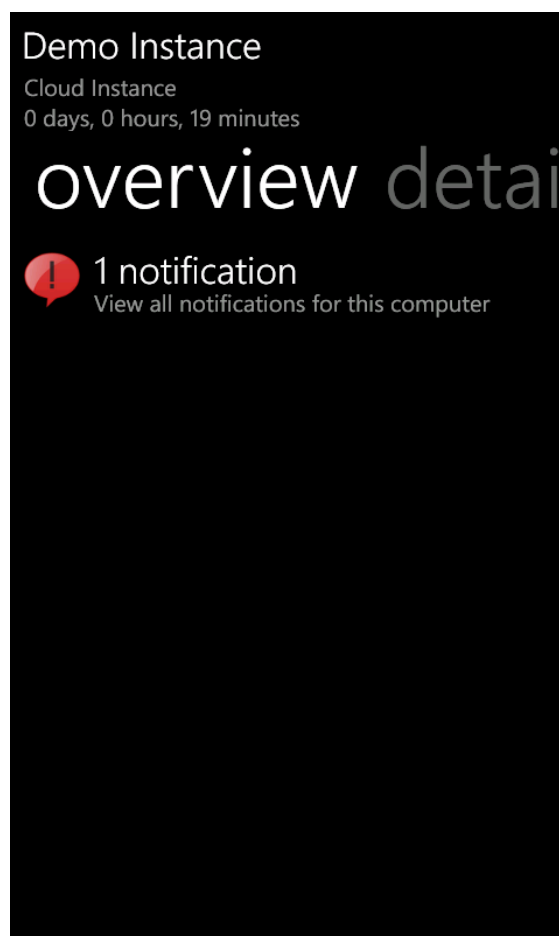
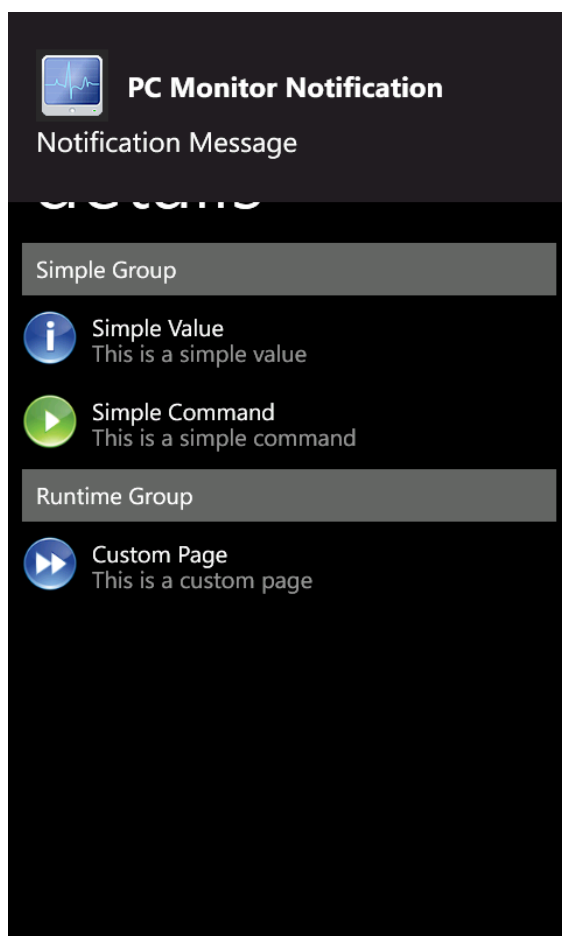
```
instance.OnCommandReceived += OnCommandReceived;  
  
void OnCommandReceived(int commandId, string mobileDeviceIdentifier)  
{  
    // check the command Id and perform an action here.  
}
```

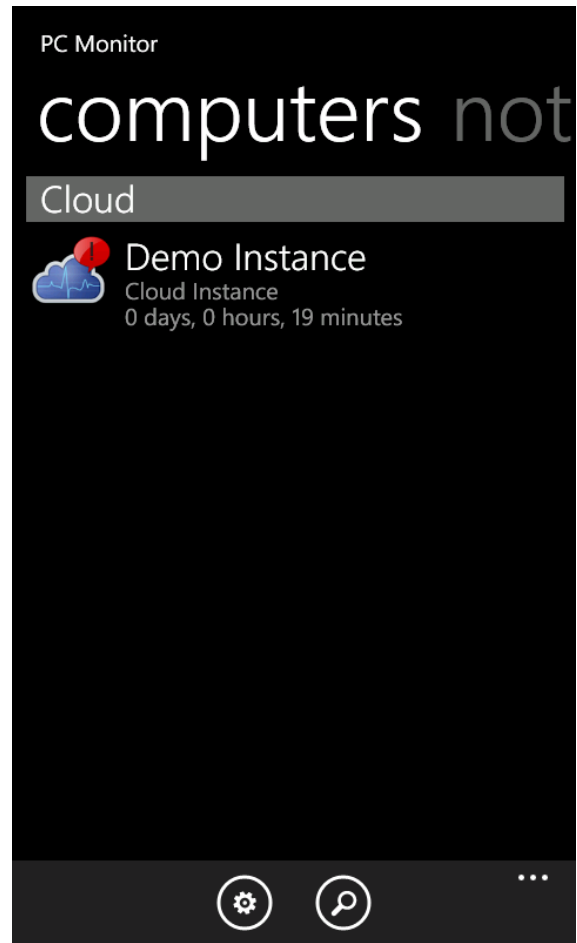
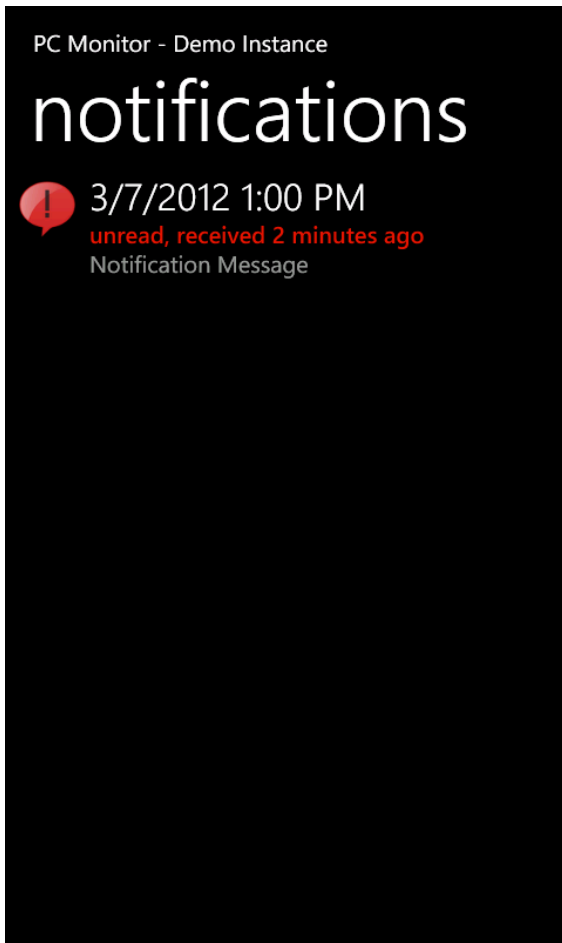
Sending Notifications

Your Application instance can send notifications to all registered mobile devices. This is a useful feature in case you want to be notified of specific events that occur in your application. Simply call:

```
instance.SendNotificationToAllDevices("Notification Message",  
NotificationPriority.CRITICAL);
```

The notification will be delivered to your mobile:





Resources

Retrieve your API Key: <https://www.pulseway.com/account>

Pulseway Web Site - www.pulseway.com

Pulseway API – www.pulseway.com/api

Pulseway Cloud API Download - www.pulseway.com/download/netcloud.zip