# System Alerts sample

This sample demonstrates how to create and manage a list of alerts that can then be displayed in the host web. This allows, for example, the IT department to manage a set of alerts and then display them to all users.

## Description of the sample

This sample make uses an announcements list to manage the alerts and expirations. An app part is used to display the currently-active system alerts in the host web. The app is constructed as an MVC4 app deployed to SharePoint online as an autohosted app.

## Prerequisites

This sample requires the following;

A SharePoint 2013 development environment.

Visual Studio 2012 and Office 2013 Tools for Visual Studio 2012.

An O365 developer environment

## Key components of the sample

The sample is an autohosted app written using the MVC4 project template. The alerts list is an announcements list hosted within the hidden SPWeb associated with the app. The main page of the MVC4 app displays the alerts and provides a link to manage the alerts. A client app part refers to a view in the MVC4 app, which displays the currently-active alerts formatted to match the styling of the host web.

The key code for the sample can be found in the AlertsController.cs class, which is associated with the Index.cshtml view and the AppPart.cshtml view.

## Configure the sample

The app requires that you have an O365 develop site available. If you do not have an O365 developer site, you may register for one at <http://msdn.microsoft.com/en-us/library/fp179924.aspx>

## Run and test the sample

1. Open the SystemAlerts.sln solution in Visual Studio 2012.
2. Edit the Site URL property to refer to a test site where you will deploy the solution.
3. Press F5.
4. When prompted, grant permissions for the app.
5. When the app appears, you will see several alerts pre-populated in the list.
6. Click the Manage Alerts link to add, edit, or delete alerts.
7. Navigate to the host web.
8. Place the page in edit mode
9. Select to insert an App Part.
10. Add the System Alerts app part to the page. You should see the currently-active alerts nicely formatted on the page.

## Troubleshooting

Your app will not deploy unless the target site is an O365 developer site.

## Change log

First release April 18, 2013

## Related content

SharePoint 2013 autohosted apps

MVC4