**SharePoint Add-ins外接程序开发**

如果您要开始开发 SharePoint 外接程序，请首先思考您可能要生成的加载项的类型、您要包括的技术和您要使用的宿主选项。

参考：<https://docs.microsoft.com/en-us/sharepoint/dev/general-development/programming-models-in-sharepoint>

<https://docs.microsoft.com/en-us/sharepoint/dev/general-development/sharepoint-add-ins-compared-with-sharepoint-solutions>

介绍：

A SharePoint Add-in is similar to an add-in on a mobile device. It is a stand-alone productivity solution that does a small number of related tasks, installs easily, and uninstalls cleanly. Users can discover and download SharePoint Add-ins from a public SharePoint add-in store or from their organization's corporate add-in catalog. A SharePoint Add-in can include classic SharePoint components such as lists, custom website pages, web parts, workflows, and content types. But an SharePoint Add-in can also surface a remote web application and remote data in SharePoint. A SharePoint Add-in can also include both SharePoint and remote components. SharePoint Add-ins are very safe applications whose custom logic is always shifted "up" to the cloud or "down" to the client computers. It never runs on the SharePoint servers.

特征：

SharePoint Add-ins are self-contained extensions that may include cloud-based logic and data, SharePoint components, and client-side scripts, but not custom managed code that runs on SharePoint servers. They are installed from either the Office Store or an organization add-in catalog, and can be installed on either on-premises farms or Microsoft SharePoint Online. For an overview of SharePoint Add-ins, see [SharePoint Add-ins](http://msdn.microsoft.com/library/cd1eda9e-8e54-4223-93a9-a6ea0d18df70%28Office.15%29.aspx).

the kinds of administrative extensions that you can develop, see [Windows SharePoint Services Administration](http://msdn.microsoft.com/library/cdcc1b8a-4144-446f-b471-03d4a754a8ab%28Office.15%29.aspx).

优势：

develop a SharePoint Add-in instead of a farm solution or NCSS whenever you can.

* 为用户提供了最简单的发现、购买和安装过程。
* 为管理员提供了最安全的 SharePoint 扩展。
* 为你提供了基于 Microsoft 在线加载项商店的最简单的营销和销售系统。
* 最大程度地提高了你在开发未来升级时的灵活性。
* 最大程度地提高了你利用现有非 SharePoint 编程技能的能力。
* 采用更平稳且更灵活的方式集成基于云的资源。
* 使你的扩展具有与正在运行该加载项的用户的权限不同的权限。
* 使你能够使用跨平台标准，包括 HTML、REST、OData、JavaScript 和 OAuth。
* 使你能够利用 SharePoint 跨域 JavaScript 库访问 SharePoint 数据。或者，你可以使用与 OAuth 兼容的由 Microsoft 提供的安全令牌服务或使用数字证书获取对 SharePoint 数据的授权。

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