

## TASKS

Autodesk APS

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- ☐ APS Login(163 mail)  
<https://aps.autodesk.com/>
- ☐ Activity in APS  
An Activity is an action that can be executed on the Automation Service. You create and post Activities to run specific AppBundles
- ☐ Inventor add-in  
<https://www.autodesk.com/support/technical/article/caas/tsarticles/ts/29mPk2V7awelo6eLckSF1k.html>
- ☐ Automation API  
<https://aps.autodesk.com/en/docs/design-automation/v3/tutorials/inventor/>
- ☐ 参数修改 与 AppBundle 与 Activity  
Design Automation 的本质是在云端运行一个“全功能的 Inventor”。虽然修改参数看似简单，但它实际上是运行了一套完整的工业软件计算逻辑，这就是为什么它需要 AppBundle 和 Activity 来定义各种复杂的规则
- ☐ 免费模型下载  
- [https://www.turbosquid.com/Search/3D-Models/free/3ds?dd\\_referrer=](https://www.turbosquid.com/Search/3D-Models/free/3ds?dd_referrer=)  
- [https://free3d.com/3d-models/3ds?dd\\_referrer=](https://free3d.com/3d-models/3ds?dd_referrer=)
- ☐ 修改模型参数dotnet示例  
<https://github.com/autodesk-platform-services/aps-design-automation-dotnet>
- ☐ 创建一个应用管理的bucket,并上传一个文件  
<https://aps.autodesk.com/en/docs/data/v2/tutorials/app-managed-bucket/>
- ☐ Data Management API  
<https://aps.autodesk.com/en/docs/data/v2/tutorials/app-managed-bucket/>
- ☐ pythonocc  
<https://github.com/tpaviot/pythonocc>
- ☐ Design Automation API  
[https://aps.autodesk.com/en/docs/design-automation/v3/developers\\_guide/overview/](https://aps.autodesk.com/en/docs/design-automation/v3/developers_guide/overview/)
- ☐ Postman Test  
获取口令、上传原始模型、提交工作任务 (WorkItem)
- ☐ App Bundle  
<https://github.com/autodesk-platform-services/aps-design-automation-tools>

- Code-Samples
  - <https://aps.autodesk.com/code-samples>
  - <https://github.com/Autodesk-Forge/design.automation-python-tutorial>
- Authentication(OAuth)
  - [https://aps.autodesk.com/en/docs/oauth/v2/developers\\_guide/basics/](https://aps.autodesk.com/en/docs/oauth/v2/developers_guide/basics/)
  - <https://aps.autodesk.com/en/docs/oauth/v2/reference/http/gettoken-POST/>
  - <https://aps.autodesk.com/en/docs/oauth/v2/tutorials/get-2-legged-token/>