

# Upload Point Cloud

This example uploads a point cloud dataset.

```
# Import the Voxel Farm Client Library
from voxelfarm import voxelfarmclient

# The URL for the Voxel Farm API
vf_api_url = 'https://vf-api.voxelspace.com'

# Create instance of the Voxel Farm REST API
vf = voxelfarmclient.rest(vf_api_url)

# Get the coordinate system of the project
result = vf.get_project_crs(project)
if not result.success:
    print(result.error_info)
    exit()
crs = result.crs

# Create raw point cloud entity
result = vf.create_entity_raw(
    project=project,
    type=vf.entity_type.RawPointCloud,
    name="My Point Cloud",
    fields={},
    crs=crs)
if not result.success:
    print(result.error_info)
    exit()
pc_id = result.id
print('Raw Point Cloud Entity created ' + pc_id)

# Upload files
files = {'file': open('./mockdata/pointcloud.laz', 'rb')}
result = vf.attach_files(
    project=project,
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id=pc_id,  
files=files)  
if not result.success:  
    print(result.error_info)  
    exit()  
print('Point cloud files uploaded.')
```

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