

Managing Dependencies

Almost, But Not Quite, Bleeding Edge

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Scope

Deployed projects

Deployment artifacts

- ▶ Build-packs
- ▶ Docker
- ▶ Pex

Creation

```
$ pip install -r requirements.txt
```

Input

```
# requirements.in  
.  
gunicorn
```

Input

```
# setup.py  
#...  
    "flask >=1.0",  
#...
```

Output

```
# requirements.txt  
flask==1.0.2 # (with hashes)  
...
```

Process

```
$ pip-compile \  
  --generate-hashes \  
  requirements.in \  
> requirements.txt
```


When?

- ▶ At least once a month
- ▶ At most once a day
- ▶ Schedule!

Summary

- ▶ Intent vs Actual
- ▶ Keep near the edge
- ▶ Add constraints to intent