

# DMP Implementation Status of IPP

2024-03-08

# Now have a server in the IPP DMZ

- I followed the instructions at
  - <https://gitlab.eufus.psnc.pl/containerization/imas/uda-demo>
- and started a UDA server at IPP.
  
- I then ran a test program at ITER that was able to access the UDA server:
  - the short program snippet is given on the right
  - Together with the results
    - **which seems to indicate success!**

## Code snippet

```
import imas
e =
imas.DBEntry('imas://uda.ipp.mpg.de:56565/uda?user=root&shot=1000&run=1000&database=test&version=3','r')
e.open()
ep = e.get('edge_profiles')
print(ep.time)
print(ep.vacuum_toroidal_field.b0)
```

## Code output

```
[0. 1. 2. 3. 4. 5. 6. 7. 8. 9.]
[0.      0.84147098 0.90929743 0.14112001 -0.7568025 -0.95892427
-0.2794155 0.6569866 0.98935825 0.41211849]
```

# Next steps

- I invite other members of the project to try to access the text pulse stored on `uda.ipp.mpg.de`.
- My next activity will be to store one of my IMAS files on the UDA server (I need to work out how best to do this ...)