

Tools might be present (static) or loaded before MPI-library or ld-preloaded

OR

The MPI runtime loads all dynamic tools given in an env variable → make sure all tools are loaded at this point

In any case, the tool registers itself by name:

```
QMPIX_Register_tool([IN]tool_context, [IN]name)
```

The MPI runtime initializes all tools in the order listed by name in an env variable

The runtime initializes (multiple instances of) the tool:

```
QMPIX_Init_tool([IN]tool_context, [IN]tid,  
[OUT]instance_context)
```

At that point, the tool registers functions:

```
QMPIX_Register_function ( [IN]tid, [IN]name, [IN]function_p)
```