

Variable passed
IO_engine="BP4"

```
adios2_adios *adios = adios2_init_config(config_file, cartcomm, 1);
adios2_io *io = adios2_declare_io(adios, IO_ENGINE);
adios2_variable *var_iodata = adios2_define_variable(io, "iodata",
    adios2_type_double, NDIM, shape, start, count, adios2_constant_dims_true);
adios2_engine *engine = adios2_open(io, FILENAME, adios2_mode_write);
adios2_step_status status;
adios2_begin_step(engine, adios2_step_mode_update, 10.0, &status);
adios2_put(engine, var_iodata, iodata, adios2_mode_deferred);
adios2_end_step(engine);
adios2_close(engine);
adios2_finalize(adios);
```

ADIOS2 config file
initialises BP4 engine

```
<?xml version="1.0"?>
<adios-config>
  <io name="BP4">
    <engine type="BP4">
    </engine>
  </io>
  <io name="HDF5">
    <engine type="HDF5">
    </engine>
  </io>
  <io name="BP5">
    <engine type="BP5">
    </engine>
  </io>
</adios-config>
```