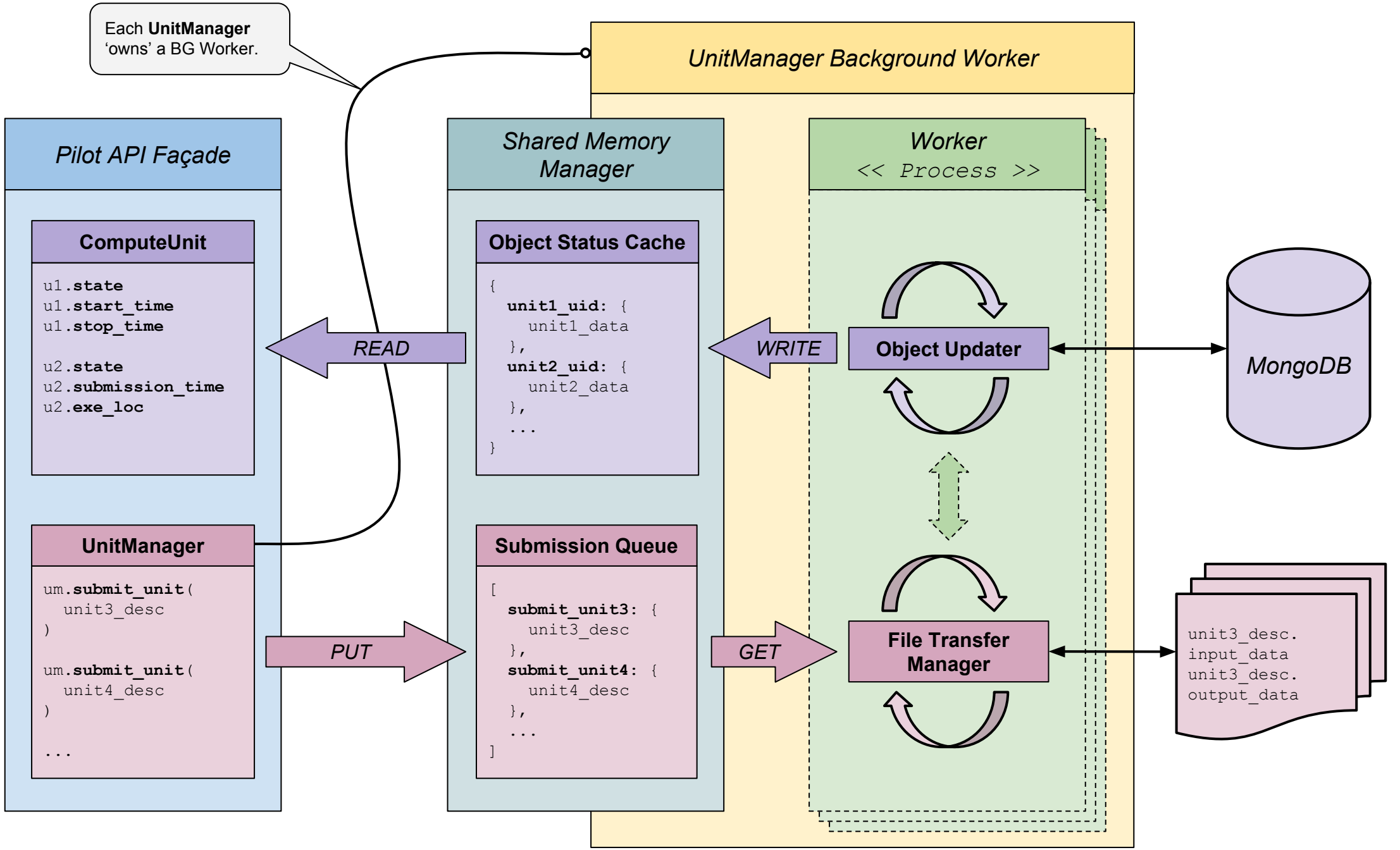
Each **UnitManager** 'owns' a BG Worker.
UnitManager Background Worker
Pilot API Façade
Shared Memory Manager
Worker
<< Process >>
ComputeUnit
u1.state
u1.start_time
u1.stop_time
u2.state
u2.submission_time
u2.exe_loc
READ
Object Status Cache
{
unit1_uid: {
unit1_data
},
unit2_uid: {
unit2_data
},
...
}
WRITE
Object Updater
MongoDB
UnitManager
um.submit_unit(
unit3_desc
)
um.submit_unit(
unit4_desc
)
...
PUT
Submission Queue
[
submit_unit3: {
unit3_desc
},
submit_unit4: {
unit4_desc
},
...
]
GET
File Transfer Manager
unit3_desc.
input_data
unit3_desc.
output_data