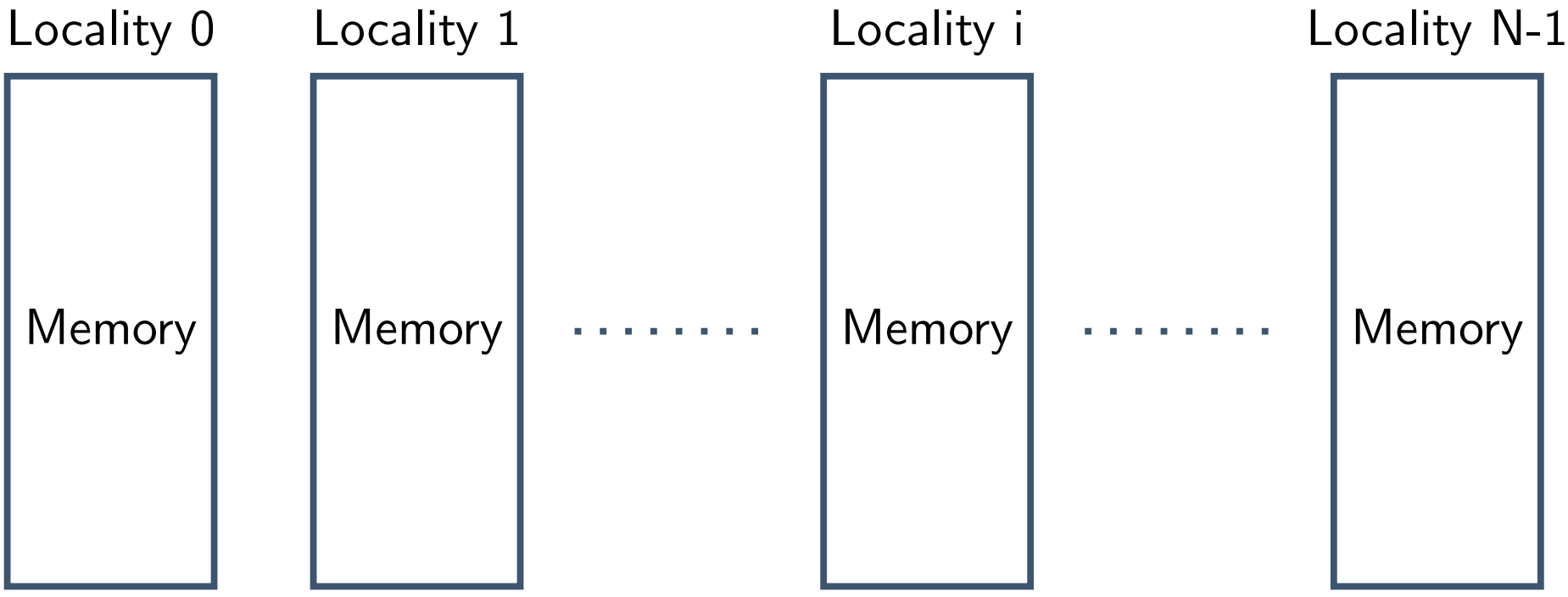
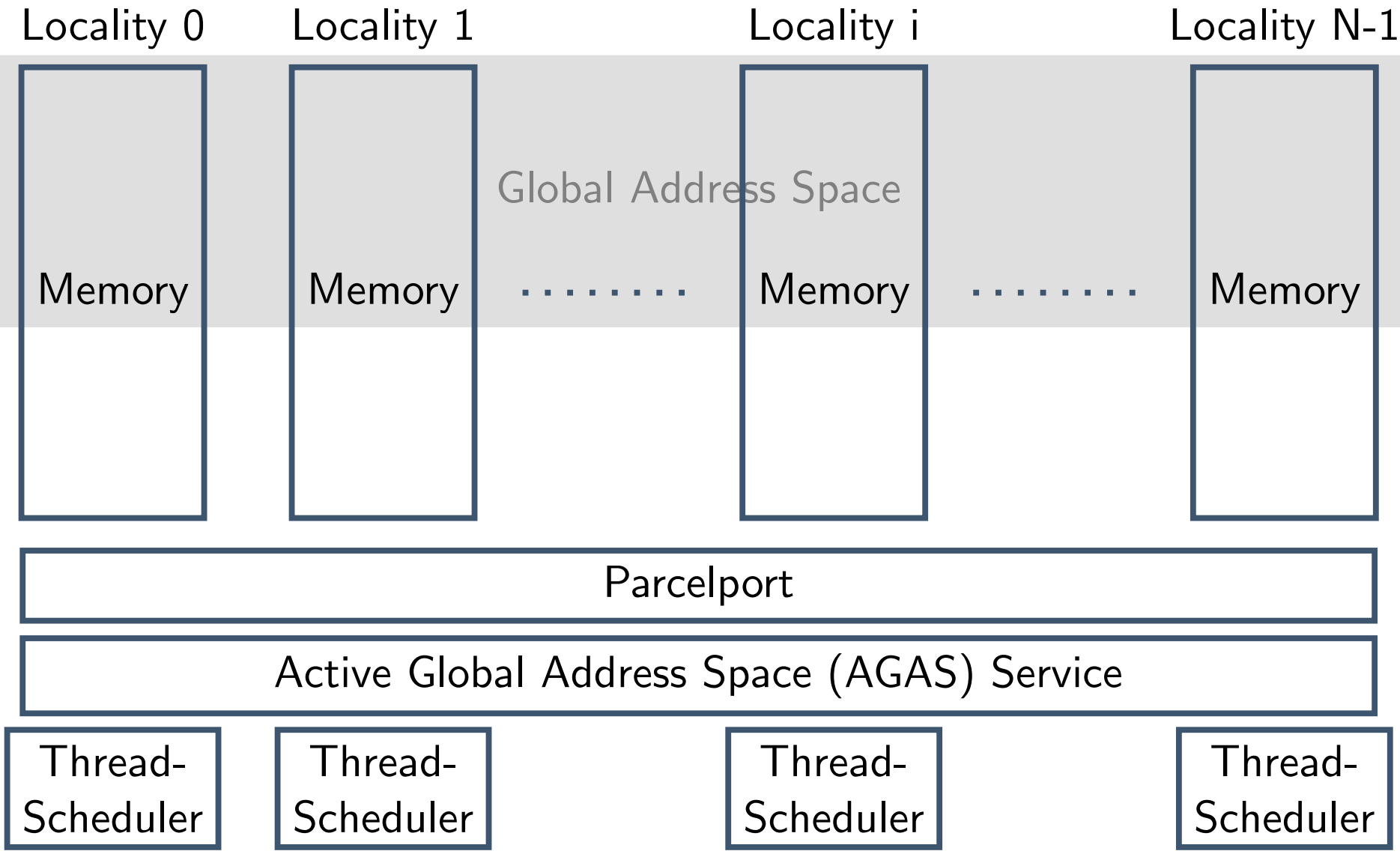
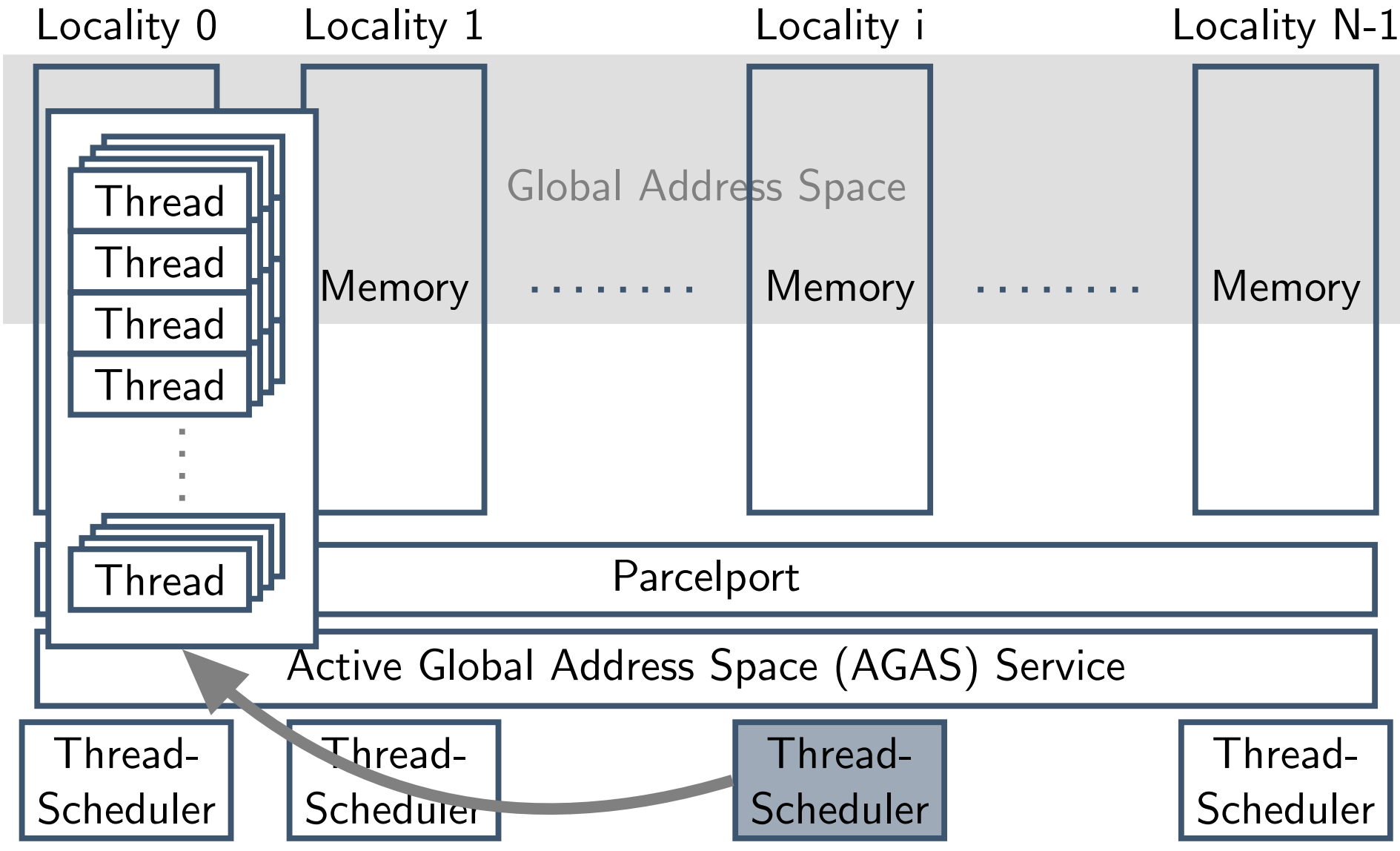
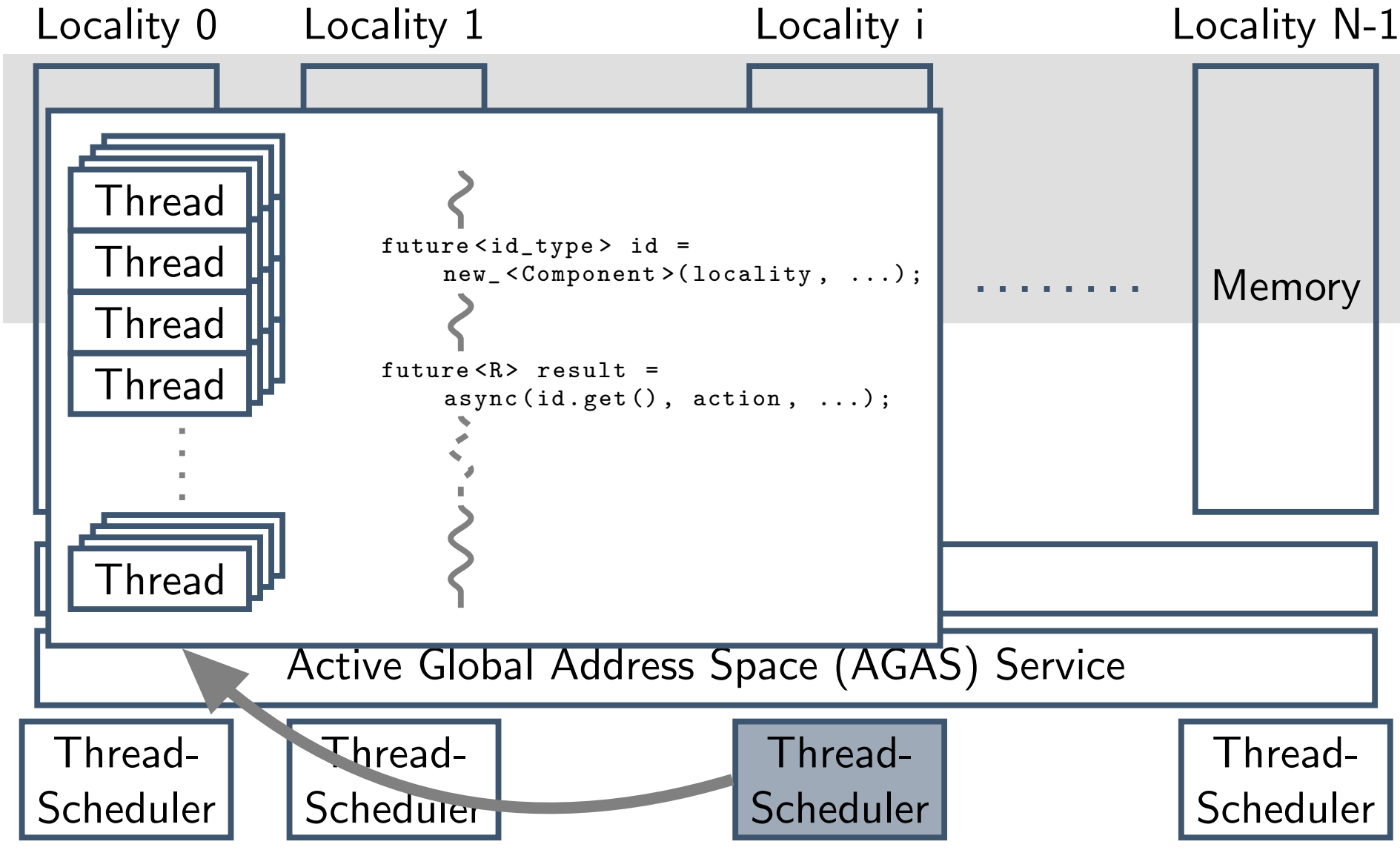
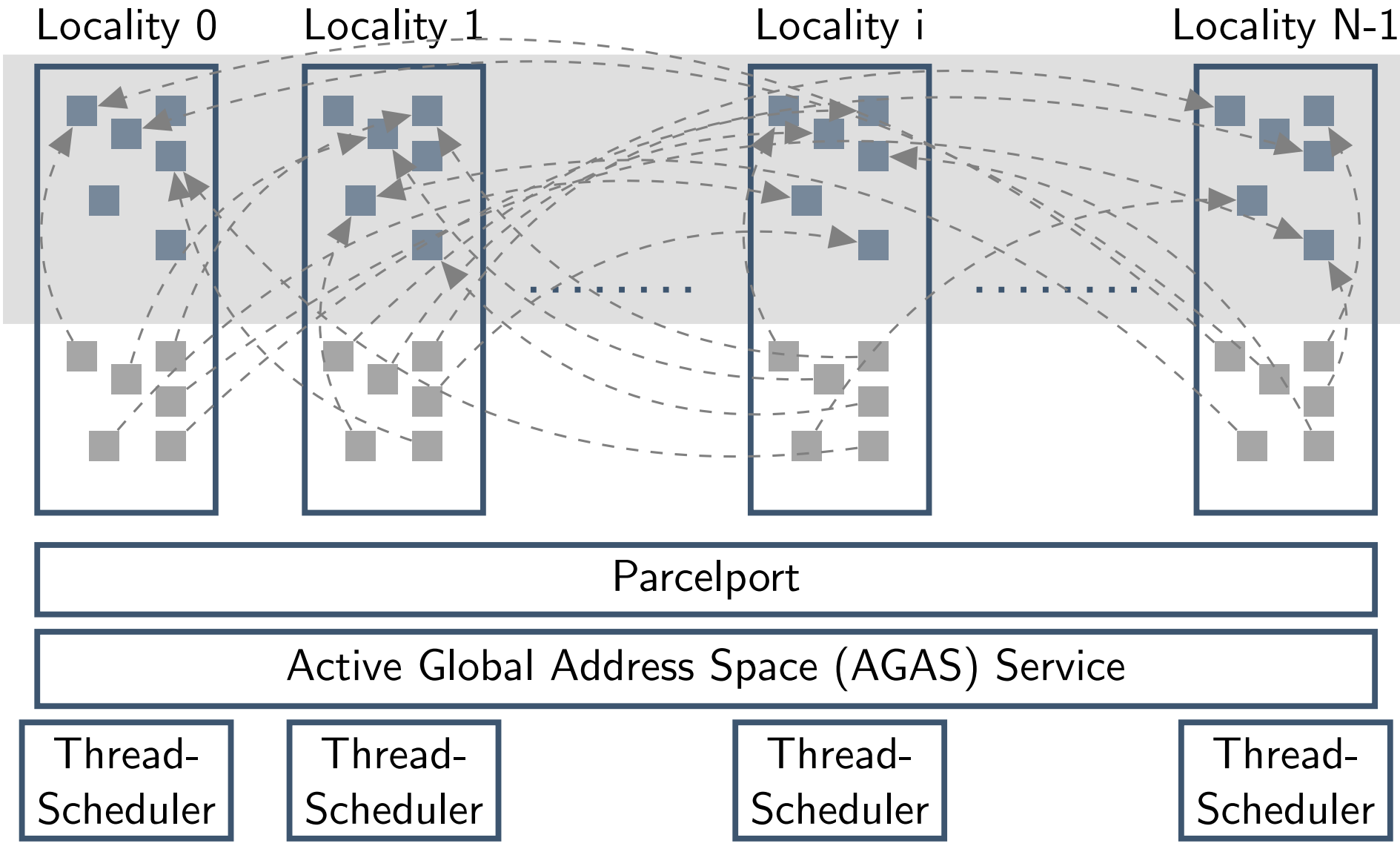

Locality 0
Locality 1
Locality i
Locality N-1
Memory
Memory
Memory
Memory


Locality 0
Locality 1
Locality i
Locality N-1
Global Address Space
Memory
Memory
Memory
Memory
Parcelport
Active Global Address Space (AGAS) Service
Thread-Scheduler
Thread-Scheduler
Thread-Scheduler
Thread-Scheduler


Locality 0
Locality 1
Locality i
Locality N-1
Global Address Space
Thread
Thread
Thread
Thread
Thread
Memory
Memory
Memory
Parcelport
Active Global Address Space (AGAS) Service
Thread-Scheduler
Thread-Scheduler
Thread-Scheduler
Thread-Scheduler


Locality 0
Locality 1
Locality i
Locality N-1
Thread
Thread
Thread
Thread
Thread
future<id_type> id =
new_<Component>(locality, ...);
future<R> result =
async(id.get(), action, ...);
Memory
Active Global Address Space (AGAS) Service
Thread-
Scheduler
Thread-
Scheduler
Thread-
Scheduler
Thread-
Scheduler


Locality 0
Locality 1
Locality i
Locality N-1
Parcelport
Active Global Address Space (AGAS) Service
Thread-Scheduler
Thread-Scheduler
Thread-Scheduler
Thread-Scheduler