

```
source nwchem-11-10-SST_exp.sh
# conda environments:
#
chimbuko_viz      * /autofs/nccs-svm1_proj/csc299/amalik/codar_chimbuko/ve_python
hvdpy27tf        /ccs/home/amalik/.conda/envs/chimbuko_viz
hvdpy36PyTorch   /ccs/home/amalik/.conda/envs/hvdpy27tf
openmm           /ccs/home/amalik/.conda/envs/hvdpy36PyTorch
py366            /ccs/home/amalik/.conda/envs/openmm
                 /ccs/home/amalik/.conda/envs/py366
                 /ccs/home/amalik/summit/pytorch-1.0-p3/anaconda3
                 /ccs/home/amalik/summit/pytorch-1.0-p3/torchPython
                 /ccs/home/amalik/summit/tensorflow-1.12-p3/anaconda3
base             /sw/summit/python/3.7/anaconda3/5.3.0
test             /sw/summit/python/3.7/anaconda3/5.3.0/envs/test
```

```
=====
Set working directory
=====
```

```
=====
User inputs
=====
```

```
=====
Config TAU environment
=====
```

```
=====
Config VIS SERVER
=====
```

```
=====
Config Anomaly Detection
=====
```

```
=====
Copy binaries & data to /gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST
=====
```

```
=====
Launch Chimbuko parameter server
=====
```

```
2
1
0
3
Run parameter server with 160 threads
Run parameter server with 160 threads
Run parameter server with 160 threads
Run parameter server with 160 threads
```

```
=====
Launch Application with anomaly detectors
=====
```

```
rank      : 0
Engine    : SST
BP in dir : /gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/BP
BP file   : tau-metrics-0.bp
BP out dir : /gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/executions
PS Addr   :
```

VIS Addr :
sigma : 6
window size: 5
Interval : 0 msec

I am talking to worker parameter server at tcp://g35n13:5000
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-0.bp

I am talking to worker parameter server at tcp://g35n13:5001
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-1.bp

I am talking to worker parameter server at tcp://g35n13:5001
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-5.bp

I am talking to worker parameter server at tcp://g35n13:5003
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-15.bp

I am talking to worker parameter server at tcp://g35n13:5003
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-11.bp

I am talking to worker parameter server at tcp://g35n13:5002
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-2.bp

I am talking to worker parameter server at tcp://g35n13:5000
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-4.bp

I am talking to worker parameter server at tcp://g35n13:5001
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-13.bp

I am talking to worker parameter server at tcp://g35n13:5003
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-3.bp

I am talking to worker parameter server at tcp://g35n13:5000
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-12.bp

I am talking to worker parameter server at tcp://g35n13:5002
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-14.bp

I am talking to worker parameter server at tcp://g35n13:5000
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-16.bp

I am talking to worker parameter server at tcp://g35n13:5002
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-10.bp

I am talking to worker parameter server at tcp://g35n13:5002
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-18.bp

I am talking to worker parameter server at tcp://g35n13:5001
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-9.bp

I am talking to worker parameter server at tcp://g35n13:5003
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-7.bp

I am talking to worker parameter server at tcp://g35n13:5003
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-19.bp

I am talking to worker parameter server at tcp://g35n13:5000
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-8.bp

I am talking to worker parameter server at tcp://g35n13:5001
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/
BP/tau-metrics-17.bp

I am talking to worker parameter server at tcp://g35n13:5002
Trying to open the file/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-6.bp
Reader 0 (0x1eafe1a0): Sst set to use sockets as a Control Transport
Reader 0 (0x4a545c70): Sst set to use sockets as a Control Transport
Reader 0 (0x1393e000): Sst set to use sockets as a Control Transport
Reader 0 (0x50773250): Sst set to use sockets as a Control Transport
Reader 0 (0x48c6e140): Sst set to use sockets as a Control Transport
Reader 0 (0x3a022f20): Sst set to use sockets as a Control Transport
Reader 0 (0x4229e0e0): Sst set to use sockets as a Control Transport
Reader 0 (0x42533d30): Sst set to use sockets as a Control Transport
Reader 0 (0x460e31e0): Sst set to use sockets as a Control Transport
Reader 0 (0x3a233af0): Sst set to use sockets as a Control Transport
Reader 0 (0x483436b0): Sst set to use sockets as a Control Transport
Reader 0 (0x227435e0): Sst set to use sockets as a Control Transport
Reader 0 (0x14dd36b0): Sst set to use sockets as a Control Transport
Reader 0 (0x43163210): Sst set to use sockets as a Control Transport
Reader 0 (0x2cf533e0): Sst set to use sockets as a Control Transport
Reader 0 (0x329e34e0): Sst set to use sockets as a Control Transport
Reader 0 (0x218c3630): Sst set to use sockets as a Control Transport
Reader 0 (0x13e236a0): Sst set to use sockets as a Control Transport
Reader 0 (0x4d0336b0): Sst set to use sockets as a Control Transport
Reader 0 (0x352534c0): Sst set to use sockets as a Control Transport
DP Reader 0 (0x1eafe1a0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x1eafe1a0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x1eafe1a0): Preferred dataplane name is "rdma"
DP Reader 0 (0x1eafe1a0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x1eafe1a0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x1eafe1a0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x4229e0e0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x4229e0e0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x4229e0e0): Preferred dataplane name is "rdma"
DP Reader 0 (0x4229e0e0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x4229e0e0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x4229e0e0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x1393e000): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x1393e000): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x1393e000): Preferred dataplane name is "rdma"
DP Reader 0 (0x1393e000): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x1393e000): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x1393e000): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x48c6e140): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x48c6e140): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x48c6e140): Preferred dataplane name is "rdma"
DP Reader 0 (0x48c6e140): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x48c6e140): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x48c6e140): Selecting DataPlane "rdma" (preferred) for use
Reader 0 (0x1eafe1a0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-19.bp.sst, with timeout 60 secs
Reader 0 (0x4229e0e0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/

csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-17.bp.sst, with timeout 60 secs
Reader 0 (0x48c6e140): Looking for writer contact in file /gpfs/alpine/scratch/amalik/
csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-16.bp.sst, with timeout 60 secs
Reader 0 (0x1393e000): Looking for writer contact in file /gpfs/alpine/scratch/amalik/
csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-18.bp.sst, with timeout 60 secs
DP Reader 0 (0x3a022f20): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Reader 0 (0x3a022f20): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x3a022f20): Preferred dataplane name is "rdma"
DP Reader 0 (0x3a022f20): Considering DataPlane "evpath" for possible use, priority
is 1
DP Reader 0 (0x3a022f20): Considering DataPlane "rdma" for possible use, priority is
10
DP Reader 0 (0x3a022f20): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x329e34e0): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Reader 0 (0x329e34e0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x329e34e0): Preferred dataplane name is "rdma"
DP Reader 0 (0x329e34e0): Considering DataPlane "evpath" for possible use, priority
is 1
DP Reader 0 (0x329e34e0): Considering DataPlane "rdma" for possible use, priority is
10
DP Reader 0 (0x329e34e0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x13e236a0): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Reader 0 (0x13e236a0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x13e236a0): Preferred dataplane name is "rdma"
DP Reader 0 (0x13e236a0): Considering DataPlane "evpath" for possible use, priority
is 1
DP Reader 0 (0x13e236a0): Considering DataPlane "rdma" for possible use, priority is
10
DP Reader 0 (0x13e236a0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x43163210): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Reader 0 (0x43163210): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x43163210): Preferred dataplane name is "rdma"
DP Reader 0 (0x43163210): Considering DataPlane "evpath" for possible use, priority
is 1
DP Reader 0 (0x43163210): Considering DataPlane "rdma" for possible use, priority is
10
DP Reader 0 (0x43163210): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x50773250): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Reader 0 (0x50773250): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x50773250): Preferred dataplane name is "rdma"
DP Reader 0 (0x50773250): Considering DataPlane "evpath" for possible use, priority
is 1
DP Reader 0 (0x50773250): Considering DataPlane "rdma" for possible use, priority is
10
DP Reader 0 (0x50773250): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x460e31e0): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Reader 0 (0x460e31e0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x460e31e0): Preferred dataplane name is "rdma"
DP Reader 0 (0x460e31e0): Considering DataPlane "evpath" for possible use, priority
is 1
DP Reader 0 (0x460e31e0): Considering DataPlane "rdma" for possible use, priority is
10
DP Reader 0 (0x460e31e0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x4a545c70): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Reader 0 (0x4a545c70): RDMA Dataplane evaluating viability, returning priority 10

DP Reader 0 (0x4a545c70): Preferred dataplane name is "rdma"
DP Reader 0 (0x4a545c70): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x4a545c70): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x4a545c70): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x352534c0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x352534c0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x352534c0): Preferred dataplane name is "rdma"
DP Reader 0 (0x352534c0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x352534c0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x352534c0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x14dd36b0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x14dd36b0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x14dd36b0): Preferred dataplane name is "rdma"
DP Reader 0 (0x14dd36b0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x14dd36b0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x14dd36b0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x42533d30): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x42533d30): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x42533d30): Preferred dataplane name is "rdma"
DP Reader 0 (0x42533d30): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x42533d30): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x42533d30): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x2cf533e0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x2cf533e0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x2cf533e0): Preferred dataplane name is "rdma"
DP Reader 0 (0x2cf533e0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x2cf533e0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x2cf533e0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x218c3630): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x218c3630): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x218c3630): Preferred dataplane name is "rdma"
DP Reader 0 (0x218c3630): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x218c3630): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x218c3630): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x483436b0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x483436b0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x483436b0): Preferred dataplane name is "rdma"
DP Reader 0 (0x483436b0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x483436b0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x483436b0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x3a233af0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.

DP Reader 0 (0x3a233af0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x3a233af0): Preferred dataplane name is "rdma"
DP Reader 0 (0x3a233af0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x3a233af0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x3a233af0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x227435e0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x227435e0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x227435e0): Preferred dataplane name is "rdma"
DP Reader 0 (0x227435e0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x227435e0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x227435e0): Selecting DataPlane "rdma" (preferred) for use
DP Reader 0 (0x4d0336b0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Reader 0 (0x4d0336b0): RDMA Dataplane evaluating viability, returning priority 10
DP Reader 0 (0x4d0336b0): Preferred dataplane name is "rdma"
DP Reader 0 (0x4d0336b0): Considering DataPlane "evpath" for possible use, priority is 1
DP Reader 0 (0x4d0336b0): Considering DataPlane "rdma" for possible use, priority is 10
DP Reader 0 (0x4d0336b0): Selecting DataPlane "rdma" (preferred) for use
Reader 0 (0x3a022f20): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-5.bp.sst, with timeout 60 secs
Reader 0 (0x13e236a0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-1.bp.sst, with timeout 60 secs
Reader 0 (0x50773250): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-2.bp.sst, with timeout 60 secs
Reader 0 (0x329e34e0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-14.bp.sst, with timeout 60 secs
Reader 0 (0x4a545c70): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-0.bp.sst, with timeout 60 secs
Reader 0 (0x352534c0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-13.bp.sst, with timeout 60 secs
Reader 0 (0x460e31e0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-3.bp.sst, with timeout 60 secs
Reader 0 (0x43163210): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-4.bp.sst, with timeout 60 secs
Reader 0 (0x14dd36b0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-12.bp.sst, with timeout 60 secs
Reader 0 (0x42533d30): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-8.bp.sst, with timeout 60 secs
Reader 0 (0x2cf533e0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-6.bp.sst, with timeout 60 secs
Reader 0 (0x483436b0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-15.bp.sst, with timeout 60 secs
Reader 0 (0x218c3630): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-10.bp.sst, with timeout 60 secs
Reader 0 (0x3a233af0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-7.bp.sst, with timeout 60 secs
Reader 0 (0x227435e0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-9.bp.sst, with timeout 60 secs
Reader 0 (0x4d0336b0): Looking for writer contact in file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-11.bp.sst, with timeout 60 secs
ADIOS2 SST Engine waiting for contact information file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-16.bp to be created
ADIOS2 SST Engine waiting for contact information file /gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-19.bp to be created
ADIOS2 SST Engine waiting for contact information file /gpfs/alpine/scratch/amalik/

or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-2.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-0.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-13.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-3.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-4.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-12.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-8.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-6.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-15.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-10.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-7.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-9.bp.sst". Timeout or non-current SST contact file?
Exception caught
ERROR: SstReader did not find active Writer contact info in file "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/nwchem-11-10-SST/BP/tau-metrics-11.bp.sst". Timeout or non-current SST contact file?
Writer 0 (0x4ffadd30): Sst set to use sockets as a Control Transport
Writer 0 (0x454ddd00): Sst set to use sockets as a Control Transport
Writer 0 (0x2690df90): Sst set to use sockets as a Control Transport
Writer 0 (0x4a83dc30): Sst set to use sockets as a Control Transport
Writer 0 (0x3ad83750): Sst set to use sockets as a Control Transport
Writer 0 (0x421d3750): Sst set to use sockets as a Control Transport
Writer 0 (0x4e1530b0): Sst set to use sockets as a Control Transport
Writer 0 (0x37003750): Sst set to use sockets as a Control Transport
Writer 0 (0x23fe3690): Sst set to use sockets as a Control Transport


```
Writer 0 (0x47673b30): Sst set to use sockets as a Control Transport
Writer 0 (0x2a7c3260): Sst set to use sockets as a Control Transport
Writer 0 (0x42973220): Sst set to use sockets as a Control Transport
Writer 0 (0x3b623020): Sst set to use sockets as a Control Transport
Writer 0 (0x20633600): Sst set to use sockets as a Control Transport
Writer 0 (0x446b30b0): Sst set to use sockets as a Control Transport
Writer 0 (0x339c34e0): Sst set to use sockets as a Control Transport
Writer 0 (0x514e3750): Sst set to use sockets as a Control Transport
Writer 0 (0x352438e0): Sst set to use sockets as a Control Transport
Writer 0 (0x221334a0): Sst set to use sockets as a Control Transport
Writer 0 (0x4a593750): Sst set to use sockets as a Control Transport
DP Writer 0 (0x4ffadd30): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Writer 0 (0x4ffadd30): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x4ffadd30): Considering DataPlane "evpath" for possible use, priority
is 1
DP Writer 0 (0x4ffadd30): Considering DataPlane "rdma" for possible use, priority is
10
DP Writer 0 (0x4ffadd30): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x454ddd00): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Writer 0 (0x454ddd00): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x454ddd00): Considering DataPlane "evpath" for possible use, priority
is 1
DP Writer 0 (0x454ddd00): Considering DataPlane "rdma" for possible use, priority is
10
DP Writer 0 (0x454ddd00): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x4a83dc30): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Writer 0 (0x4a83dc30): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x4a83dc30): Considering DataPlane "evpath" for possible use, priority
is 1
DP Writer 0 (0x4a83dc30): Considering DataPlane "rdma" for possible use, priority is
10
DP Writer 0 (0x4a83dc30): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x2690df90): RDMA Dataplane sees interface mlx5_0, provider type
verbs;ofi_rxm, which should work.
DP Writer 0 (0x2690df90): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x2690df90): Considering DataPlane "evpath" for possible use, priority
is 1
DP Writer 0 (0x2690df90): Considering DataPlane "rdma" for possible use, priority is
10
DP Writer 0 (0x2690df90): Selecting DataPlane "rdma", priority 10 for use
Writer 0 (0x4a83dc30): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-16.bp"
Writer 0 (0x4a83dc30): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CPOCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x4a83dc30): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
```

```
nwchem-11-10-SST/BP/tau-metrics-16.bp" waiting for 1 readers
Writer 0 (0x454ddd00): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-19.bp"
Writer 0 (0x454ddd00): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x454ddd00): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-19.bp" waiting for 1 readers
Writer 0 (0x4ffadd30): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-18.bp"
Writer 0 (0x4ffadd30): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x4ffadd30): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-18.bp" waiting for 1 readers
Writer 0 (0x2690df90): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-17.bp"
Writer 0 (0x2690df90): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x2690df90): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-17.bp" waiting for 1 readers
DP Writer 0 (0x2a7c3260): RDMA Dataplane sees interface mlx5_0, provider type
```

verbs;ofi_rxm, which should work.
DP Writer 0 (0x2a7c3260): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x2a7c3260): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x2a7c3260): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x2a7c3260): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x3b623020): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x3b623020): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x3b623020): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x3b623020): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x3b623020): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x4e1530b0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x4e1530b0): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x4e1530b0): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x4e1530b0): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x4e1530b0): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x47673b30): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x47673b30): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x47673b30): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x47673b30): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x47673b30): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x37003750): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x37003750): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x37003750): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x37003750): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x37003750): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x42973220): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x42973220): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x42973220): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x42973220): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x42973220): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x446b30b0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x446b30b0): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x446b30b0): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x446b30b0): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x446b30b0): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x339c34e0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x339c34e0): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x339c34e0): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x339c34e0): Considering DataPlane "rdma" for possible use, priority is 10

DP Writer 0 (0x339c34e0): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x4a593750): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x4a593750): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x4a593750): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x4a593750): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x4a593750): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x352438e0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x352438e0): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x352438e0): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x352438e0): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x352438e0): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x20633600): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x20633600): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x20633600): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x20633600): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x20633600): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x221334a0): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x221334a0): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x221334a0): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x221334a0): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x221334a0): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x421d3750): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x421d3750): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x421d3750): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x421d3750): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x421d3750): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x23fe3690): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x23fe3690): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x23fe3690): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x23fe3690): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x23fe3690): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x514e3750): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x514e3750): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x514e3750): Considering DataPlane "evpath" for possible use, priority is 1
DP Writer 0 (0x514e3750): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x514e3750): Selecting DataPlane "rdma", priority 10 for use
DP Writer 0 (0x3ad83750): RDMA Dataplane sees interface mlx5_0, provider type verbs;ofi_rxm, which should work.
DP Writer 0 (0x3ad83750): RDMA Dataplane evaluating viability, returning priority 10
DP Writer 0 (0x3ad83750): Considering DataPlane "evpath" for possible use, priority is 1

DP Writer 0 (0x3ad83750): Considering DataPlane "rdma" for possible use, priority is 10
DP Writer 0 (0x3ad83750): Selecting DataPlane "rdma", priority 10 for use
Writer 0 (0x3b623020): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-4.bp"
Writer 0 (0x3b623020): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x3b623020): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-4.bp" waiting for 1 readers
Writer 0 (0x2a7c3260): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-1.bp"
Writer 0 (0x2a7c3260): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x2a7c3260): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-1.bp" waiting for 1 readers
Writer 0 (0x4e1530b0): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/nwchem-11-10-SST/BP/tau-metrics-5.bp"
Writer 0 (0x4e1530b0): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x4e1530b0): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/

```
nwchem-11-10-SST/BP/tau-metrics-5.bp" waiting for 1 readers
Writer 0 (0x47673b30): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-0.bp"
Writer 0 (0x47673b30): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x47673b30): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-0.bp" waiting for 1 readers
Writer 0 (0x42973220): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-3.bp"
Writer 0 (0x42973220): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x42973220): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-3.bp" waiting for 1 readers
Writer 0 (0x446b30b0): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-2.bp"
Writer 0 (0x446b30b0): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x446b30b0): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-2.bp" waiting for 1 readers
Writer 0 (0x37003750): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
```

```
nwchem-11-10-SST/BP/tau-metrics-14.bp"
Writer 0 (0x37003750): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CPOCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x37003750): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-14.bp" waiting for 1 readers
Writer 0 (0x339c34e0): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-6.bp"
Writer 0 (0x339c34e0): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CPOCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x339c34e0): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-6.bp" waiting for 1 readers
Writer 0 (0x4a593750): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-12.bp"
Writer 0 (0x4a593750): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CPOCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x4a593750): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-12.bp" waiting for 1 readers
Writer 0 (0x20633600): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-9.bp"
Writer 0 (0x20633600): Writer stream params are:
```

```
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x20633600): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-9.bp" waiting for 1 readers
Writer 0 (0x421d3750): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-10.bp"
Writer 0 (0x421d3750): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x421d3750): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-10.bp" waiting for 1 readers
Writer 0 (0x352438e0): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-8.bp"
Writer 0 (0x352438e0): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x352438e0): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-8.bp" waiting for 1 readers
Writer 0 (0x23fe3690): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSERVER/
nwchem-11-10-SST/BP/tau-metrics-15.bp"
Writer 0 (0x23fe3690): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
```



```
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x23fe3690): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/
nwchem-11-10-SST/BP/tau-metrics-15.bp" waiting for 1 readers
Writer 0 (0x221334a0): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/
nwchem-11-10-SST/BP/tau-metrics-13.bp"
Writer 0 (0x221334a0): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x221334a0): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/
nwchem-11-10-SST/BP/tau-metrics-13.bp" waiting for 1 readers
Writer 0 (0x3ad83750): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/
nwchem-11-10-SST/BP/tau-metrics-7.bp"
Writer 0 (0x3ad83750): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x3ad83750): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/
nwchem-11-10-SST/BP/tau-metrics-7.bp" waiting for 1 readers
Writer 0 (0x514e3750): Opening Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/
nwchem-11-10-SST/BP/tau-metrics-11.bp"
Writer 0 (0x514e3750): Writer stream params are:
Param - RegistrationMethod:File
Param - RendezvousReaderCount:1
Param - QueueLimit:0 (unlimited)
Param - QueueFullPolicy:Block
```

Param - DataTransport:rdma
Param - ControlTransport:sockets
Param - NetworkInterface:(default)
Param - ControlInterface:(default to NetworkInterface if applicable)
Param - DataInterface:(default to NetworkInterface if applicable)
Param - CompressionMethod:None
Param - CPCommPattern:Min
Param - MarshalMethod:BP
Param - FirstTimestepPrecious:False
Param - IsRowMajor:1 (not user settable)
Param - OpenTimeoutSecs:60 (seconds)
Writer 0 (0x514e3750): Stream "/gpfs/alpine/scratch/amalik/csc299/MHPSEVER/
nwchem-11-10-SST/BP/tau-metrics-11.bp" waiting for 1 readers