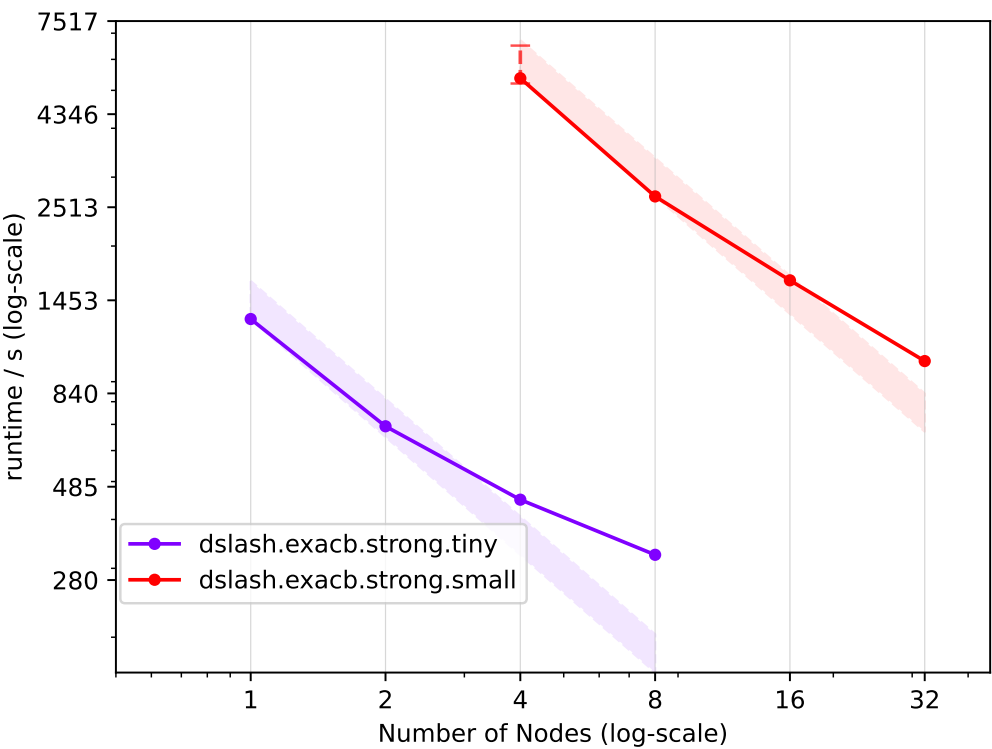


JEDI Evaluation Report

October 30, 2024

1 JEDI Evaluation Plot



Caption

| system | version | queue | variant | kernel_type | jobid | nodes | taskspernode | threadspertask | gflop | runtime | success |
|--------|---------|-------|-------------|-------------|-------|-------|--------------|----------------|-------------|-------------|---------|
| jedi | 2024.01 | all | strong.tiny | fine | 23800 | 1 | 4 | 72 | 6062.186362 | 1301.425815 | true |
| jedi | 2024.01 | all | strong.tiny | fine | 23801 | 2 | 4 | 72 | 5712.546478 | 692.192197 | true |
| jedi | 2024.01 | all | strong.tiny | fine | 23802 | 4 | 4 | 72 | 4417.156605 | 449.373782 | true |
| jedi | 2024.01 | all | strong.tiny | fine | 23803 | 8 | 4 | 72 | 2459.547924 | 324.86251 | true |

Table 1: Caption

| system | version | queue | variant | kernel_type | jobid | nodes | taskspernode | threadspertask | gflop | runtime | success |
|--------|---------|-------|--------------|-------------|-------|-------|--------------|----------------|-------------|-------------|---------|
| jedi | 2024.01 | all | strong.small | fine | 23798 | 16 | 4 | 72 | 4850.51061 | 1634.309292 | true |
| jedi | 2024.01 | all | strong.small | fine | 23799 | 32 | 4 | 72 | 3903.799949 | 1016.128659 | true |
| jedi | 2024.01 | all | strong.small | fine | 23796 | 4 | 4 | 72 | 5876.825338 | 5369.896412 | true |
| jedi | 2024.01 | all | strong.small | fine | 23797 | 8 | 4 | 72 | 5899.137332 | 2677.992582 | true |

Table 2: Caption

2 Raw JSON Data

```
{
  "version": 1,
  "reporter": {
    "generator": "jureap-gitlab-exacb",
    "info": {
      "pipeline": "230052",
      "job": "1188466",
      "commit": "66d40bbf383957f4b34034baaec746ffe981cd71",
      "username": "sen1",
      "project": "/p/project1/jureap26",
      "budget": "jureap26",
      "system": "jedi",
      "version": "2024.12",
      "timestamp": "2024-10-29T10:42:40+01:00"
    }
  },
  "parameter": {},
  "experiment": {
    "system": "jedi",
    "version": "2024.12",
    "variant": "strong.tiny",
    "timestamp": "2024-10-29T10:42:40+01:00"
  },
  "data": [
    {
      "success": "true",
      "runtime": "1301.425815",
      "parameter": {
        "nodes": "1",
        "taskspernode": "4",
        "threadspertask": "72"
      },
      "slurm_jobid": "23800",
      "queue": "all",
      "metrics": {
        "kernel_type": "fine",
        "gflop": "6062.186362"
      }
    },
    {
      "success": "true",
      "runtime": "692.192197",
      "parameter": {
        "nodes": "2",
        "taskspernode": "4",
        "threadspertask": "72"
      },
      "slurm_jobid": "23801",
      "queue": "all",
      "metrics": {
        "kernel_type": "fine",
        "gflop": "5712.546478"
      }
    }
  ]
}
```

```
    },
    {
      "success": "true",
      "runtime": "449.373782",
      "parameter": {
        "nodes": "4",
        "taskspernode": "4",
        "threadspertask": "72"
      },
      "slurm_jobid": "23802",
      "queue": "all",
      "metrics": {
        "kernel_type": "fine",
        "gflop": "4417.156605"
      }
    },
    {
      "success": "true",
      "runtime": "324.86251",
      "parameter": {
        "nodes": "8",
        "taskspernode": "4",
        "threadspertask": "72"
      },
      "slurm_jobid": "23803",
      "queue": "all",
      "metrics": {
        "kernel_type": "fine",
        "gflop": "2459.547924"
      }
    }
  ]
}
```

Listing 1: Caption

```
{
  "version": 1,
  "reporter": {
    "generator": "jureap-gitlab-exacb",
    "info": {
      "pipeline": "230052",
      "job": "1188468",
      "commit": "66d40bbf383957f4b34034baaec746ffe981cd71",
      "username": "sen1",
      "project": "/p/project1/jureap26",
      "budget": "jureap26",
      "system": "jedi",
      "version": "2024.12",
      "timestamp": "2024-10-29T10:42:40+01:00"
    }
  },
  "parameter": {},
  "experiment": {
    "system": "jedi",
    "version": "2024.12",
  }
```

```
    "variant": "strong.small",
    "timestamp": "2024-10-29T10:42:40+01:00"
  },
  "data": [
    {
      "success": "true",
      "runtime": "1634.309292",
      "parameter": {
        "nodes": "16",
        "taskspernode": "4",
        "threadspertask": "72"
      },
      "slurm_jobid": "23798",
      "queue": "all",
      "metrics": {
        "kernel_type": "fine",
        "gflop": "4850.51061"
      }
    },
    {
      "success": "true",
      "runtime": "1016.128659",
      "parameter": {
        "nodes": "32",
        "taskspernode": "4",
        "threadspertask": "72"
      },
      "slurm_jobid": "23799",
      "queue": "all",
      "metrics": {
        "kernel_type": "fine",
        "gflop": "3903.799949"
      }
    },
    {
      "success": "true",
      "runtime": "5369.896412",
      "parameter": {
        "nodes": "4",
        "taskspernode": "4",
        "threadspertask": "72"
      },
      "slurm_jobid": "23796",
      "queue": "all",
      "metrics": {
        "kernel_type": "fine",
        "gflop": "5876.825338"
      }
    },
    {
      "success": "true",
      "runtime": "2677.992582",
      "parameter": {
        "nodes": "8",
        "taskspernode": "4",
```

```
        "threadspertask": "72"
      },
      "slurm_jobid": "23797",
      "queue": "all",
      "metrics": {
        "kernel_type": "fine",
        "gflop": "5899.137332"
      }
    }
  ]
}
```

Listing 2: Caption