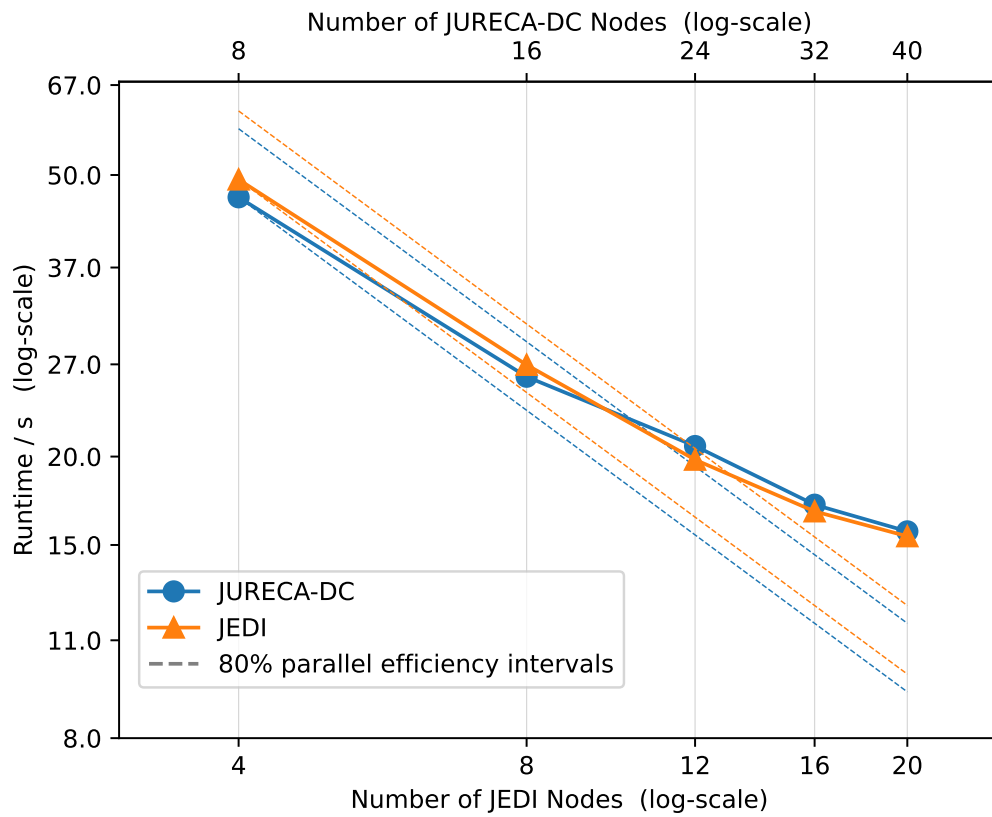


JEDI Evaluation Report

November 16, 2024

1 JEDI Evaluation Plot



Caption

system	version	queue	variant	jobid	nodes	taskspernode	threadspertask	success	runtime	performance (ns/day)	Core time (s)
jedi	2024.01	all	jedi.evaluation.jedi	25842	12	4	8	true	19.794999999999998	86.991	7601.28
jedi	2024.01	all	jedi.evaluation.jedi	25843	16	4	8	true	16.733732421875	102.793	8567.671
jedi	2024.01	all	jedi.evaluation.jedi	25844	20	4	8	true	15.4312453125	111.34	9875.997
jedi	2024.01	all	jedi.evaluation.jedi	25840	4	4	8	true	49.2691171875	35.033	6306.447
jedi	2024.01	all	jedi.evaluation.jedi	25841	8	4	8	true	26.954578125	63.966	6900.372

Table 1: Caption

system	version	queue	variant	jobid	nodes	taskspernode	threadspertask	success	runtime	performance (ns/day)	Core time (s)
jurecad	2024.01	dc-gpu	jedi.evaluation.jureca	13271403	16	4	8	true	25.935046875	66.269	13278.744
jurecad	2024.01	dc-gpu	jedi.evaluation.jureca	13271404	24	4	8	true	20.6977421875	82.868	15895.866
jurecad	2024.01	dc-gpu	jedi.evaluation.jureca	13271405	32	4	8	true	17.10066796875	100.101	17511.084
jurecad	2024.01	dc-gpu	jedi.evaluation.jureca	13271406	40	4	8	true	15.678182812500001	108.976	20068.074
jurecad	2024.01	dc-gpu	jedi.evaluation.jureca	13271402	8	4	8	true	46.50075390625	37.052	11904.193

Table 2: Caption

2 Raw JSON Data

```
{
  "version": 1,
  "reporter": {
    "generator": "jureap-gitlab-exacb",
    "info": {
      "pipeline": "233051",
      "job": "1201069",
      "commit": "e253503ad378dc2e16855e009d77c2d4312obdb8",
      "username": "leidner1",
      "project": "/p/project1/jureap40",
      "budget": "jureap40",
      "system": "jedi",
      "version": "2024.12",
      "timestamp": "2024-11-13T12:03:02+01:00"
    }
  },
  "parameter": {},
  "experiment": {
    "system": "jedi",
    "version": "2024.12",
    "variant": "jedi.evaluation.jedi",
    "timestamp": "2024-11-13T12:03:02+01:00"
  },
  "data": [
    {
      "success": "true",
      "runtime": "19.794999999999998",
      "parameter": {
        "nodes": "12",
        "taskspernode": "4",
        "threadspertask": "8"
      },
      "slurm_jobid": "25842",
      "queue": "all",
      "metrics": {
        "performance (ns/day)": "86.991",
        "Core time (s)": "7601.28"
      }
    },
    {
      "success": "true",
      "runtime": "16.733732421875",
      "parameter": {
        "nodes": "16",
        "taskspernode": "4",
        "threadspertask": "8"
      },
      "slurm_jobid": "25843",
      "queue": "all",
      "metrics": {
        "performance (ns/day)": "102.793",
        "Core time (s)": "8567.671"
      }
    }
  ]
}
```

```
{
  },
  {
    "success": "true",
    "runtime": "15.4312453125",
    "parameter": {
      "nodes": "20",
      "taskspernode": "4",
      "threadspertask": "8"
    },
    "slurm_jobid": "25844",
    "queue": "all",
    "metrics": {
      "performance (ns/day)": "111.34",
      "Core time (s)": "9875.997"
    }
  },
  {
    "success": "true",
    "runtime": "49.2691171875",
    "parameter": {
      "nodes": "4",
      "taskspernode": "4",
      "threadspertask": "8"
    },
    "slurm_jobid": "25840",
    "queue": "all",
    "metrics": {
      "performance (ns/day)": "35.033",
      "Core time (s)": "6306.447"
    }
  },
  {
    "success": "true",
    "runtime": "26.954578125",
    "parameter": {
      "nodes": "8",
      "taskspernode": "4",
      "threadspertask": "8"
    },
    "slurm_jobid": "25841",
    "queue": "all",
    "metrics": {
      "performance (ns/day)": "63.966",
      "Core time (s)": "6900.372"
    }
  }
}
]
```

Listing 1: Caption

```
{
  "version": 1,
  "reporter": {
    "generator": "jureap-gitlab-exacb",
    "info": {
```

```
    "pipeline": "233051",
    "job": "1201071",
    "commit": "e253503ad378dc2e16855e009d77c2d4312obdb8",
    "username": "leidner1",
    "project": "/p/project1/jureap40",
    "budget": "jureap40",
    "system": "jurecadc",
    "version": "2024.12",
    "timestamp": "2024-11-13T12:03:01+01:00"
  },
  "parameter": {},
  "experiment": {
    "system": "jurecadc",
    "version": "2024.12",
    "variant": "jedi.evaluation.jureca",
    "timestamp": "2024-11-13T12:03:01+01:00"
  },
  "data": [
    {
      "success": "true",
      "runtime": "25.935046875",
      "parameter": {
        "nodes": "16",
        "taskspernode": "4",
        "threadspertask": "8"
      },
      "slurm_jobid": "13271403",
      "queue": "dc-gpu",
      "metrics": {
        "performance (ns/day)": "66.269",
        "Core time (s)": "13278.744"
      }
    },
    {
      "success": "true",
      "runtime": "20.6977421875",
      "parameter": {
        "nodes": "24",
        "taskspernode": "4",
        "threadspertask": "8"
      },
      "slurm_jobid": "13271404",
      "queue": "dc-gpu",
      "metrics": {
        "performance (ns/day)": "82.868",
        "Core time (s)": "15895.866"
      }
    },
    {
      "success": "true",
      "runtime": "17.10066796875",
      "parameter": {
        "nodes": "32",
        "taskspernode": "4",
```

```
        "threadspertask": "8"
      },
      "slurm_jobid": "13271405",
      "queue": "dc-gpu",
      "metrics": {
        "performance (ns/day)": "100.101",
        "Core time (s)": "17511.084"
      }
    },
    {
      "success": "true",
      "runtime": "15.678182812500001",
      "parameter": {
        "nodes": "40",
        "taskspernode": "4",
        "threadspertask": "8"
      },
      "slurm_jobid": "13271406",
      "queue": "dc-gpu",
      "metrics": {
        "performance (ns/day)": "108.976",
        "Core time (s)": "20068.074"
      }
    },
    {
      "success": "true",
      "runtime": "46.50075390625",
      "parameter": {
        "nodes": "8",
        "taskspernode": "4",
        "threadspertask": "8"
      },
      "slurm_jobid": "13271402",
      "queue": "dc-gpu",
      "metrics": {
        "performance (ns/day)": "37.052",
        "Core time (s)": "11904.193"
      }
    }
  ]
}
```

Listing 2: Caption