Application for Computing Time on the RWTH Compute Cluster
in the Context of a Bachelor or Master Thesis

Application No.: 7806
Project extension: no

Application for computing time from 01.10.23
to 29.01.24

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*                      Project Data                        *
*                                                          *
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Thesis Title:
    A recommender system for process discovery

Keywords:
    Process discovery, recommender system, machine learning, algo
    selection

RWTH Fachbereich:   1
RWTH Fachgruppe:    Informatik 9

DFG Version:        2016
Field of Research:  409-06
Secondary Field(s):




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*           Resources and Technical Information            *
*                                                          *
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Requested Computing Resource(s)
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RWTH CPU
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Requested resources:      0.048 Million CPU core-h


Expected maximum duration of production job runs (hours elapsed time): 12


----------------- RWTH CPU Code 1 -----------------

Name of code:                              pm4py
Programming language(s):                   Python
Programming model(s):                      python multithreading
Vectorization support:                     no
Software packages:                         pm4py
Simultaneously running jobs:               100
Typical number of cores per job:           5
Maximum number of cores per job:           48
Maximum memory demand per core (in GB):    8

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*                   Storage Requirements                   *
*                                                          *
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RWTH
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Total storage requirements
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WORK:
   Files (in thousand):
   Storage (in GB):       250
HOME:
   Files (in thousand):
   Storage (in GB):       150
HPCWORK:
   Files (in thousand):   50
   Storage (in GB):       1024

Justification for high storage requirements:


I/O handling
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I/O methods:           unkown / not relevant
Other methods:
I/O handling strategy:

Data transfer to/from external systems
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Data transfer in total (in GB):
Transfer Software:
Other Software:

Frequency of transfers:
External target locations for transfers:

Please be aware that all data stored in directories belonging
to the compute project account will be deleted 8 months after
the end of the project unless an extension has been approved.
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*                                                          *
*            PI information and important notes            *
*                                                          *
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Hereby the principal investigator of this project confirms
that in publications arising from this project the computing
time granted by RWTH Aachen University will be acknowledged
using this phrase:

> Simulations were performed with computing resources
> granted by RWTH Aachen University under
> project <ID of your project - will be communicated later>

and electronic copies of these publications will be send by
e-mail to hpc-projects@itc.rwth-aachen.de

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This application was submitted by the PI, using an e-mail address issued by a trusted organisation. Therefore, you are NOT required to print and sign this form. The application will be processed electronically as if a printed and signed version was already submitted.

For questions or issues with the electronic
questionnaire, please contact the IT-ServiceDesk:
https://www.itc.rwth-aachen.de/servicedesk