## STRADA: Training/Benchmark System Configuration and Model Parameters

AMD EPYC 7302
NVIDIA RTX A5000
128 GB
Ubuntu 18.04.5 LTS
11.6

TABLE I: Training and benchmark system configuration used in STRADA: A Synergising Transformer and DBSCAN-Based Approach to Time-Series Anomaly Detection in Dynamically-Configured Systems.

Dataset	$l_{min}$	$l_{max}$
machine-1-1	4	128
HLT Datasets	4	256

## (a) MERLIN

Parameter	Value
$\epsilon$	3
min. sample size	4

## (b) T-DBSCAN

Parameter	Model	Value
Sequence Length	All	10
Encoder Layers	All	1
Feed-Forward Layers	All	2
Hidden Units	All	64
Batch Size	All	128
Training Epochs	All	5
Learning Rate	All	$10^{-4}$
SPOT q	machine-1-1 HLT Datasets	$10^{-2}$

(c) TranAD/STRADA-TranAD

TABLE II: Overview of model parameters used in STRADA: A Synergising Transformer and DBSCAN-Based Approach to Time-Series Anomaly Detection in Dynamically-Configured Systems.

Parameter	Model	Value
C I 4	machine-1-1	64
Sequence Length	HLT Datasets	16
F	machine-1-1	3
Encoder Layers	HLT Datasets	1
Danadan Lauran	machine-1-1	2
Decoder Layers	HLT Datasets	4
Attention Heads	machine-1-1	8
	HLT Datasets	4
	machine-1-1	512
$d_{model}$	HLT Datasets	576
a	machine-1-1	2048
$ m d_{ff}$	HLT Datasets	2944
T : D:	machine-1-1	$10^{-4}$
Learning Rate	HLT Datasets	$9.7 \times 10^{-6}$
Training Epochs	All	4
CDOT -	machine-1-1	10-8
SPOT q	<b>HLT Datasets</b>	$2.5 \times 10^{-3}$

## (d) Informer-MSE/STRADA-MSE

Parameter	Model	Value
Sequence Length	All	64
Encoder Layers	All	3
Decoder Layers	All	2
Attention Heads	All	8
d <sub>model</sub>	All	512
$ m d_{ff}$	All	2048
$\mu$	machine-1-1	0.12
	HLT Datasets	0.05
Batch Size	All	64
Learning Rate	All	$10^{-4}$
Training Epochs	All	4
SPOT q	machine-1-1	10-8
	HLT Datasets	$8 \times 10^{-3}$

(e) Informer-SMSE/STRADA-SMSE

TABLE II: Overview of model parameters used in STRADA: A Synergising Transformer and DBSCAN-Based Approach to Time-Series Anomaly Detection in Dynamically-Configured Systems (continued).