	Nuberi	netes	
The Kubernetes va	riabilitv model svnthesi	ized from the API	Reference

Tags: Kubernetes, containerization, deployment, manifest files, orchestration platform

Author: Anonymous Year: 2024

Domain: Deployment software

Abstract features

Concrete features

Compound features

Leaf features

Root feature

Top features

Solitary features Grouped features

Typed features

Numerical features

Integer features

Real features

Mandatory features

Alternative groups

Cardinality groups

Min children per feature

Max children per feature

Avg children per feature

Single feature constraints

Excludes constraints

Pseudo-complex constraints

Strict-complex constraints

Min features per constraint

Max features per constraint Avg features per constraint

Avg constraints per feature

Min constraints per feature

Max constraints per feature

Features with attributes

Min attributes per feature

Max attributes per feature

Avg attributes per feature

False-optional features

Pure optional features

Configuration distribution

Median absolute deviation

Satisfiable (valid)

Core features

**Dead features** 

Variant features

Configurations

Total variability

Mean

Median

Mode

Min

Max

Range

Partial variability Homogeneity

Standard deviation

Unique features

Avg attributes per feature w. attributes

Attributes

Complex constraints

Arithmetic constraints

Aggregation constraints

Features in constraints

Cross-tree constraints

Simple constraints Requires constraints

Logical constraints

Mean depth of tree

Branching factor

String features

Tree relationships

Optional features

Feature groups

Mutex groups

Or groups

Depth of tree

Multi-features

Abstract leaf features

Concrete leaf features

Abstract compound features

Concrete compound features

**Features** 

ce documentation.

738 13 (2%)(0%) 0

13 (100%) 725 (98%)550 (76%)175 (24%)188

(25%)(75%)550 (0%) (1%) 11 532

206

319

57

57

262

61

569

194

337

38

34

4

0

0

8

1

28

93 59

1

0 34

28

6 25

14

11 34

0

172

19

2.61

1.41

1

7 5

538

0.85

1.17 Yes

27

14

207

504

79

5.73e77

43.29%

319

320

0

9

9

484 475

10.06

3.97e-143% 1.10e-72%

0

2

4.83

3.92

0

(72%)(28%)(43%)(8%) (36%)

(8%)(0%)(8%)(36%)(63%)

(7%)

(89%)

(11%)

(0%)

(0%)

(63%)(0%)

(58%)

(82%)(18%)

(42%)

(56%)

(44%)

(37%)

(0%)

(23%)

(73%)

(4%)

(2%)

(28%)

(68%)

(0%)

(11%)