

Dimitri Van Landuyt

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

658
citations

1039406

9
h-index

996533

15
g-index

81
all docs

81
docs citations

81
times ranked

336
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient customization of multi-tenant Software-as-a-Service applications with service lines. Journal of Systems and Software, 2014, 91, 48-62.	3.3	55
2	Towards a container-based architecture for multi-tenant SaaS applications. , 2016, , .		28
3	SPARTA: Security & Privacy Architecture Through Risk-Driven Threat Assessment. , 2018, , .		27
4	Solution-aware data flow diagrams for security threat modeling. , 2018, , .		26
5	CryptDICE: Distributed data protection system for secure cloud data storage and computation. Information Systems, 2021, 96, 101671.	2.4	25
6	Towards an Adaptive Middleware for Efficient Multi-Cloud Data Storage. , 2017, , .		22
7	A Comprehensive Feature Comparison Study of Open-Source Container Orchestration Frameworks. Applied Sciences (Switzerland), 2019, 9, 931.	1.3	22
8	On the State of NoSQL Benchmarks. , 2017, , .		17
9	Risk-based design security analysis. , 2018, , .		17
10	SCOPE: self-adaptive and policy-based data management middleware for federated clouds. Journal of Internet Services and Applications, 2019, 10, .	1.6	17
11	Object-NoSQL Database Mappers: a benchmark study on the performance overhead. Journal of Internet Services and Applications, 2017, 8, .	1.6	15
12	Interaction-Based Privacy Threat Elicitation. , 2018, , .		15
13	An Architectural View for Data Protection by Design. , 2019, , .		15
14	K8-scalar. , 2018, , .		14
15	Effective and efficient privacy threat modeling through domain refinements. , 2018, , .		14
16	On the Performance Impact of Data Access Middleware for NoSQL Data Stores A Study of the Trade-Off between Performance and Migration Cost. IEEE Transactions on Cloud Computing, 2018, 6, 843-856.	3.1	13
17	PERSIST: Policy-Based Data Management Middleware for Multi-Tenant SaaS Leveraging Federated Cloud Storage. Journal of Grid Computing, 2018, 16, 165-194.	2.5	13
18	Privacy Risk Assessment for Data Subject-Aware Threat Modeling. , 2019, , .		13

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19	Policy-Driven Data Management Middleware for Multi-cloud Storage in Multi-tenant SaaS. , 2015, , .		12
20	Adaptive Performance Isolation Middleware for Multi-tenant SaaS. , 2015, , .		12
21	Variability middleware for multi-tenant SaaS applications. , 2015, , .		12
22	PaaS Hopper: Policy-driven middleware for multi-PaaS environments. Journal of Internet Services and Applications, 2015, 6, .	1.6	10
23	Building a Customizable Business-Process-as-a-Service Application with Current State-of-Practice. Lecture Notes in Computer Science, 2013, , 113-127.	1.0	10
24	A comparison of system description models for data protection by design. , 2019, , .		10
25	A descriptive study of assumptions made in LINDDUN privacy threat elicitation. , 2020, , .		10
26	Security Threat Modeling. , 2020, , .		10
27	Object to NoSQL Database Mappers (ONDM): A systematic survey and comparison of frameworks. Information Systems, 2019, 85, 1-20.	2.4	9
28	Threat modeling. , 2020, , .		9
29	Domain-driven discovery of stable abstractions for pointcut interfaces. , 2009, , .		8
30	Continuous Evolution of Multi-tenant SaaS Applications: A Customizable Dynamic Adaptation Approach. , 2015, , .		8
31	A comparative study of workflow customization strategies: Quality implications for multi-tenant SaaS. Journal of Systems and Software, 2018, 144, 423-438.	3.3	8
32	Performance overhead of container orchestration frameworks for management of multi-tenant database deployments. , 2019, , .		8
33	Towards managing variability in the safety design of an automotive hall effect sensor. , 2014, , .		7
34	Thread-level resource consumption control of tenant custom code in a shared JVM for multi-tenant SaaS. Future Generation Computer Systems, 2021, 115, 351-364.	4.9	7
35	Federated Authorization for Software-as-a-Service Applications. Lecture Notes in Computer Science, 2013, , 342-359.	1.0	7
36	Analysis of architectural variants for auditable blockchain-based private data sharing. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
37	Scalable and manageable customization of workflows in multi-tenant SaaS offerings. , 2016, , .		6
38	Automated Threat Analysis and Management in a Continuous Integration Pipeline. , 2021, , .		6
39	Middleware for Customizable Multi-staged Dynamic Upgrades of Multi-tenant SaaS Applications. , 2015, , .		5
40	Towards systematically addressing security variability in software product lines. , 2016, , .		5
41	Systematic quality trade-off support in the software product-line configuration process. , 2016, , .		5
42	Evolving multi-tenant SaaS applications through self-adaptive upgrade enactment and tenant mediation. , 2016, , .		5
43	A Data Utility-Driven Benchmark for De-identification Methods. Lecture Notes in Computer Science, 2019, , 63-77.	1.0	5
44	Modularizing Early Architectural Assumptions in Scenario-Based Requirements. Lecture Notes in Computer Science, 2014, , 170-184.	1.0	5
45	Managing Feature Compatibility in Kubernetes: Vendor Comparison and Analysis. IEEE Access, 2020, 8, 228420-228439.	2.6	5
46	The Never-Ending Story: On the Need for Continuous Privacy Impact Assessment. , 2020, , .		5
47	Authenticated and auditable data sharing via smart contract. , 2020, , .		5
48	A descriptive study of assumptions in STRIDE security threat modeling. Software and Systems Modeling, 2022, 21, 2311-2328.	2.2	5
49	Documenting Early Architectural Assumptions in Scenario-Based Requirements. , 2012, , .		4
50	Automated workflow regression testing for multi-tenant SaaS: integrated support in self-service configuration dashboard. , 2016, , .		4
51	Schema design support for semi-structured data: Finding the sweet spot between NF and De-NF. , 2017, , .		4
52	Evaluation of Container Orchestration Systems for Deploying and Managing NoSQL Database Clusters. , 2018, , .		4
53	Knowledge is Power: Systematic Reuse of Privacy Knowledge for Threat Elicitation. , 2019, , .		4
54	Threat modeling at run time: the case for reflective and adaptive threat management (NIER track). , 2021, , .		4

#	ARTICLE	IF	CITATIONS
55	Automated regression testing of BPMN 2.0 processes: a capture and replay framework for continuous delivery. , 2016, , .		3
56	Middleware for Dynamic Upgrade Activation and Compensations in Multi-tenant SaaS. Lecture Notes in Computer Science, 2017, , 340-348.	1.0	3
57	The architectural divergence problem in security and privacy of eHealth IoT product lines. , 2021, , .		3
58	Towards scalable and dynamic data encryption for multi-tenant SaaS. , 2017, , .		3
59	Comparative Evaluation of Converged Service-Oriented Architectures. , 2007, , .		2
60	Automating the discovery of stable domain abstractions for reusable aspects. , 2009, , .		2
61	On the modularity impact of architectural assumptions. , 2012, , .		2
62	On the Role of Early Architectural Assumptions in Quality Attribute Scenarios: A Qualitative and Quantitative Study. , 2015, , .		2
63	On the suitability of black-box performance monitoring for SLA-driven cloud provisioning scenarios. , 2015, , .		2
64	Leveraging NoSQL for Scalable and Dynamic Data Encryption in Multi-tenant SaaS. , 2017, , .		2
65	Discovery of Stable Abstractions for Aspect-Oriented Composition in the Car Crash Management Domain. Lecture Notes in Computer Science, 2010, , 375-422.	1.0	2
66	An Overview of Runtime Data Protection Enforcement Approaches. , 2021, , .		2
67	The Bigger Picture: Approaches to Inter-organizational Data Protection Impact Assessment. Lecture Notes in Computer Science, 2020, , 283-293.	1.0	2
68	A Workload-Driven Document Database Schema Recommender (DBSR). Lecture Notes in Computer Science, 2020, , 471-484.	1.0	2
69	On the Applicability of Security and Privacy Threat Modeling for Blockchain Applications. Lecture Notes in Computer Science, 2020, , 195-203.	1.0	2
70	A domain-specific middleware layer using AOSD. , 2008, , .		1
71	Expressive Data Storage Policies for Multi-cloud Storage Configurations. , 2015, , .		1
72	Towards a Platform for Empirical Software Design Studies. , 2017, , .		1

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73	Knowledge-enriched security and privacy threat modeling. , 2018, , .		1
74	Towards PaaS Offering of BPMN 2.0 Engines: A Proposal for Service-Level Tenant Isolation. Communications in Computer and Information Science, 2018, , 5-19.	0.4	1
75	Operationalization of Privacy and Security Requirements for eHealth IoT Applications in the Context of GDPR and CSL. Lecture Notes in Computer Science, 2020, , 143-160.	1.0	1
76	Transparent IO access control for application-level tenant isolation. , 2018, , .		0
77	Shared memory protection in a multi-tenant JVM. , 2021, , .		0
78	Continuous and Client-centric Trust Monitoring in Multi-cloud Storage. , 2019, , .		0
79	Journal First Presentation of a Comparative Study of Workflow Customization Strategies. , 2019, , .		0