

ANNUAL REPORT

2022

WWW.OASIS-OPEN.ORG

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LETTER TO MEMBERS



Francis Beland

OASIS Open Executive Director



At OASIS Open, we encourage our members' efforts to harness the power of the open process and push its boundaries. We hope to inspire innovators to address the world's pressing problems, but more than anything, we provide the resources and support to make those transformations a reality.

Open collaboration is critical to solving complex issues and developing advanced solutions. OASIS Open is the thread that stitches together our members' contributions, resulting in a remarkable body of work over the past 30 years. Our members' imaginations are strong tools that contribute to building a better and brighter future, even in an unpredictable, increasingly complex world.

As the Executive Director of OASIS Open, my primary role is to ensure that the organization remains clear and aligned on its vision and mission to advance the fair, transparent development of open-source software and standards through the power of global collaboration and community. I fully believe in our mission and have high hopes for the future because of the excellent work being done at OASIS.

It's been a challenging few years for everyone, but it's set OASIS on a course to find new and more efficient ways of working. OASIS Open's ability to convene the world's best minds and most distinguished problem solvers has reinforced the commitment of its supporters and stakeholders.

OASIS Open's members are uniquely positioned to help solve problems at a global scale and have inspired the organization to double down on its mission with a new sense of urgency and a sharper focus on the vision of the future it's trying to achieve. OASIS Open is restructuring its efforts into a set of new business verticals, each defining an area of pressing problems or promising technologies and developing new service offerings that can match today's critical needs.

We cannot do it alone. We are supported by individuals, organizations, and governments worldwide. Our members imagine a better future and work together to make it a reality. At OASIS Open, we are committed to a world where everyone can access the resources they need to thrive. It's a big vision, but it's one that we know is achievable. So let's dream big, collaborate, and build a better future for all.

OASIS OPEN'S SOCIETAL IMPACT

OASIS Open's members continue to advance open source software and standards through global collaboration and community, making a positive impact on people's lives all across the world and paving they way for a more secure, interconnected, and sustainable future for us all. Here are three instances that demonstrate how OASIS is making a difference in our daily lives.

Open Data Protocol (OData)

During the darkest days of the COVID-19 pandemic, time was of the essence in treating those hit hardest by the virus. Pin-pointing hospital bed availability within hours was a matter of life and death - and it was made possible thanks to the Florida Emergency Support System (ESS).

Work on the ESS began in 2017, when a number of nursing home residents died during power outages caused by Hurricane Irma. An application called RESTier was developed, powered by OData, to help collect vital information about healthcare facilities. This data was integrated into the ESS, which was activated for 24 months straight, handling tens of millions of records without a single documented outage.

Partnering with government, community, and private industry players, OASIS Open helps to foster a common language and means of operation that allows transformational systems like the ESS to be put into place. Every day, the world is being transformed for the better thanks to the fair, transparent open standards and software fostered by OASIS Open.



Common Alerting Protocol

Since the Amber Alert Emergency response system was established in 1996, 1,127 children abducted around the world have been successfully recovered. Amber Alerts are broadcast simultaneously over television and radio stations, text messages, email, electronic traffic-conditions signs, and commercial billboards.

The operations of this complex and valuable system — over multiple channels and geographies— would not have been possible without the standards developed and put into place by OASIS Open.

As one of the most respected, non-profit standards bodies in the world, we offer partners the ability to develop and implement social innovations like the Amber Alert system that transform society for the betterment of all. The result: foundational changes that make a lasting impact on human lives.

Universal Business Language

E-invoicing has changed the way the world does business, creating a global \$11 billion market that has benefited the environment by significantly reducing waste.

It is now used in over 190 countries the world over - and it was made possible thanks to the OASIS UBL standard. UBL is just one of the open, fair, and transparent standards developed by OASIS members.

Every day, we create protocols and software that allow complex systems to be integrated across multiple geographies and a complex web of regulations and private and public stakeholders. It's one of the ways OASIS promotes environmental sustainability in business.





BOARD OF DIRECTORS



Gershon Janssen Chair Reideate



Rich Bowen⁺
Vice Chair
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Jeremy AllisonGoogle



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Ross Gardler +
Microsoft



Anish Karmarkar, PhD
Oracle



Jason Keirstead IBM



Duncan Sparrell sFractal Consulting



Altaz Valani Security Compass

+ Term ended in 2022.

2022 BY THE NUMBERS



OASIS STANDARDS APPROVED

STANDARD

OSLC Quality Management Version 2.1

Approved: 19 Jan 2022

Defines the OSLC quality management domain, a RESTful web services interface for the management of product, service or software quality artifacts.

PRODUCED BY

Open Services for Lifecycle Collaboration Open Project

SAM Threshold Sharing Schemes Version 1.0

Approved: 09 Mar 2022

Intended for developers and architects who wish to design systems and applications that utilize threshold sharing schemes in an interoperable manner.

Security and Methods (SAM)
Technical Committee

OSLC PROMCODE Version 1.0

Approved: 11 Mar 2022

Defines standard information for managing contracted software delivery based on the OSLC framework.

OSLC Lifecycle Integration for
Project Management of Contracted
Delivery (OSLC PROMCODE)
Technical Committee

OSLC Architecture Management Version 3.0

Approved: 11 Jul 2022

Defining a RESTful web services interface for managing architectural resources and their relationships to related resources.

Open Services for Lifecycle Collaboration Open Project

Secure QR Code Authentication Version 1.0

Approved: 04 Oct 2022

Describes the use of QR Codes and a mobile phone as a replacement for a username and password.

Electronic Secure Authentication (ESAT) Technical Committee

Common Security Advisory Framework Version 2.0

Approved: 18 Nov 2022

A language to exchange Security Advisories formulated in JSON. CSAF v2.0 is the definitive reference for the language which supports creation, update, and interoperable exchange of security advisories as structured information on products, vulnerabilities and the status of impact and remediation among interested parties.

Common Security Advisory
Framework (CSAF) Technical
Committee



COMMUNITY WORK



Committee Specifications Approved

OPEN PROJECTS

- OSLC Configuration Management Version 1.0, Approved: 30 May 2022
- OSLC Tracked Resource Set Version 3.0, Approved: 07 Feb 2022
- OSLC Tracked Resource Set Version 3.0, Approved: 24 Nov 2022

TECHNICAL COMMITTEES

- Code List Representation (genericode) Version 1.0, Approved: 06 Apr 2022
- Common Security Advisory Framework Version 2.0, Approved: 29 Jun 2022
- Common Security Advisory Framework Version 2.0, Approved: 01 Aug 2022
- OData Extension for Temporal Data Version 4.0 Committee Specification 01, Approved: 25 Jan 2022
- OSLC PROMCODE Version 1.0, Approved: 15 Feb 2022
- PKCS #11 Profiles Version 3.1, Approved: 14 Jul 2022
- PKCS #11 Specification Version 3.1, Approved: 11 Aug 2022
- Secure QR Code Authentication Version 1.0, Approved: 01 Jul 2022
- Virtual I/O Device (VIRTIO) Version 1.2, Approved: 01 Jul 2022
- XACML v3.0 Dynamic Attribute Authority Version 1.0 Committee Specification 01, Approved: 25 Jan 2022



TECHNICAL COMMITTEES

Business Document Exchange (BDXR)



e-Business/Manufacturing

Classification of Everyday Living (COEL)
ebXML Core (ebCore)
ebXML Messaging Services
Universal Business Language (UBL)
Value Stream Management Interoperability (VSMI)
Variability Exchange Language (VEL)



Cloud

Topology and Orchestration Specification for Cloud Applications (TOSCA)



Content Technologies

Code List Representation
Darwin Information Typing Architecture (DITA)
DocBook

Lexicographic Infrastructure Data Model and API (LEXIDMA)

Open Data Protocol (OData)

Open Document Format for Office Applications (OpenDocument)

XLIFF Object Model and Other Serializations (XLIFF OMOS)

XML Localisation Interchange File Format (XLIFF)



Cybersecurity

Collaborative Automated Course of Action Operations

(CACAO) for Cyber Security

Common Security Advisory Framework (CSAF)

Cyber Threat Intelligence (CTI)

Open Command and Control (OpenC2)

Threat Actor Context (TAC)



e-Goverment

LegalDocumentML (LegalDocML)
LegalRuleML
LegalXML Electronic Court Filing
Litigant Portal (LP)
Transformational Government Framework



Emergency Management

Emergency Management



Energy

Energy Interoperation
Energy Market Information Exchange (eMIX)



IoT

Infrastructure Data-Plane Function (IDPF) Virtual I/O Device (VIRTIO)



Lifecycle Management

OSLC Lifecycle Integration for Project Management of Contracted Delivery (OSLC PROMCODE)



Messaging

Advanced Message Queuing Protocol (AMQP) Bindings

and Mappings (AMQP-BINDMAP)

Advanced Message Queuing Protocol (AMQP)
Message Queuing Telemetry Transport (MQTT)



Privacy/Security

Digital Signature Services eXtended (DSS-X)
Electronic Secure Authentication (ESAT)
eXtensible Access Control Markup Language
(XACML)

Key Management Interoperability Protocol (KMIP)

PKCS 11

Privacy Management Reference Model (PMRM) Security Algorithms and Methods (SAM) Security Services (SAML) Static Analysis Results Interchange Format (SARIF)



Web Services

Web Services Calendar (WS-Calendar)



OPEN PROJECTS







EEA Community Projects, an OASIS Managed Open Project, is the hub for open source-based standards developments in the Ethereum industry. EEA Community Projects are home to Baseline Protocol, the standard for universal verified state synchronization & multiparty coordination using zero knowledge, and to the L2 project, for Layer 2 Blockchain Scalability Solutions for Ethereum Virtual Machine Compatible public Blockchains.



NIEM offers a common vocabulary that enables effective information exchange across diverse public and private organizations. NIEMOpen provides a working and collaborative partnership among governmental agencies, operational practitioners, systems developers, standards bodies, and other stakeholders across Federal, State, Local, Tribal, Territorial, International and Private organizations.



The Open Cybersecurity Alliance (OCA) is building an open ecosystem where cybersecurity products interoperate without the need for customized integration. OCA is home to several sub-projects: Kestrel (Threat Hunting Language), STIX-Shifter (Patterning Library), PACE (Posture Attribute Collection and Evaluation), Indicators of Behavior (Augmentation to Machine Readable CTI), and CASP (Cybersecurity Automation Sub-Project).



Defining open source standards that let digital tax and trade attribute attestations be transmitted with legacy and blockchain platforms, facilitating cross-border exchange of product data using a globally universal, consistent message set.



REasoning for Conversation and Information Technology Exchange (RECITE) develops a standard for dialog modeling in conversational agents.



OASIS MEMBERS



Organizations from all over the world, including major multinational companies, SMEs, government agencies, NGOs, universities, research institutions, consulting groups, and individuals support the work of OASIS.

FOUNDATIONAL



PREMIER



U.S. Department of Homeland Security Science and Technology (S&T) Directorate

TECHNICAL COMMITTEE SPONSORS

Adobe Systems

Anomali

Broadcom

Cisco Systems+

Contrast Security

Copado

Cryptsoft Pty Ltd. Cyware Labs +

Dell

EclecticIQ⁺

Entrust Corporation

File & ServeXpress

Fujitsu Limited⁺

Google LLC

GrammaTech, Inc.

Hewlett Packard Enterprise (HPE)

Hitachi, Ltd.

Huawei Technologies Co., Ltd.

Intel Corporation+

IXIASOFT

JFrog

Logius

Marvell Semiconductor, Inc

Microsoft

NEC Corporation

Oracle

Publications Office of the European Union

Red Hat+

Reideate

SAP SE

Security Compass

SonarSource SA

Sophos Ltd

Sopra Steria I2S

Tyler Technologies, Inc.

U.S. Department of Defense (DoD)

U.S. Federal Bureau of Investigation

U.S. NIST



⁺ Supports multiple projects within OASIS Open.

OASIS MEMBERS



TECHNICAL COMMITTEE CONTRIBUTORS

Aetna

Arista Networks

AT&T Bluestream

Comtech Services, Inc.

CTM360

Cyber Threat Intelligence Network, Inc. (CTIN)

Danish Business Authority

DarkLight

Directorate of Labour and Welfare Norway

Emerson Process Management EMQ Technologies Co., LTD Environment Canada

Ericsson AB⁺

Federal Office for Information Security (BSI) Germany

ForAllSecure Inc

Fornetix HARMAN HiveMQ GmbH HYPR CORP IEM

Information Security Corporation

InfoTrack US Kaiser Permanente Keyfactor, Inc

Micro Focus

Ministere de L'Interieur-France

MITRE Corporation National Security Agency

NetApp Netcracker

New Zealand Government

NOAA/NWS Nokia

Northrop Grumman NVIDIA Corporation OpenSynergy GmbH

P6R, Inc Peraton Plutora

Precision Content Authoring Solutions Inc.

Presidenza del Consiglio dei Ministri, Dipartimento della Protezione Civile

pure-systems GmbH⁺

QuintessenceLabs Pty Ltd.

SDL SEKOIA ServiceNow

sFractal Consulting LLC

Siemens AG⁺

Sonnenglanz Consulting

THALES

The Norwegian Agency for Public and

Financial Management (DFO)

ThreatConnect, Inc. TIBCO Software Inc. Trusona, Inc. u-blox AG

U.S. Department of Homeland Security

Cybersecurity and Infrastructure Security

Agency (CISA)

Utimaco IS GmbH

Veracode WhiteSource Xilinx, Inc

TECHNICAL COMMITTEE CONTRIBUTORS

(Academic Institutions, Associations, or Local Government Agencies)

AIT Austrian Institute of Technology+

Arizona Supreme Court

Biblioteca del Congreso Nacional de Chile

Carnegie Mellon University

CIRCL Coelition

Disaster Relief Communications Foundation Electric Power Research Institute (EPRI)

EUMETNET

European Parliament

Faculty of Informatics Masaryk University Federal Reserve Bank of Minneapolis Financial Services Information Sharing and

Analysis

Center (FS-ISAC)

Forschungszentrum Juelich GmbH

Hasso Plattner Institute

Healthwise IJIS Institute⁺ Inria

Internet Society (ISOC)

Internet2

Jheronimus Academy of Data Science

(JADS)

Johns Hopkins University Applied

Physics Laboratory Jozef Stefan Institute

KDE e.V.

Los Angeles Superior Court

M.I.T.

National Association of Professional

Process Servers

National Center for State Courts National Council of ISACs (NCI) National University of Ireland Galway Open Geospatial Consortium, Inc. (OGC)

OpenADR Alliance, Inc. Politecnico di Milano-DEIB Real Estate Standards Organization (RESO)

Royal Institute of Technology (KTH)

SINTEF

Stichting Instituut voor de Nederlandse Taal

SUNET

Swedish Association of Local Authorities &

Regions

Taiwan National Center for Cyber Security

Technology (NCCST)

Telecommunication Systems Institute

The Document Foundation

TNO

University of Bologna-CIRSFID University of Luxembourg

University of North Carolina at Chapel Hill

University of Oslo

University of Westminster

Value Stream Management Consortium

In 2022, OASIS ended with 175 voting members (2 fewer than 2021) and 89 Individual members (a decrease of 11 from 2021).



⁺ Supports multiple projects within OASIS Open.

OPEN PROJECT SPONSORS

Accenture Accenture, UK

AdLedger Amazon

BankUnited, N.A. BIBA GmbH

Blockdaemon, Inc.

Canadian Institute for Cybersecurity

CIS

CompTIA Consensys AG

Cydarm Technologies

Cyware Labs

Demerzel Solutions Limited (Nethermind)

EclecticIQ

Enterprise Ethereum Alliance Envision Blockchain Solutions LLC

Equivant

Ethereum Foundation

EYGS LLP

Georgia Tech Research Institute

GS1 AISBL HaasOnline **IBM**

IJIS Institute
Intel Corporation

International Chamber of Commerce

Joint Staff J6 Command, Control, Communication,

& Computers/Cyber

Koneksys

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Matic Network BVI Limited

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Montech Studios Inc Origin Experts Group

Pinary Inc.

Prophecy International Provide Technologies Inc.

Rapid7, Inc.

SAIC

sFractal Consulting LLC

Skuchain

Synadia Communications, Inc.

U.S. National Association for Justice Information

Systems (NAJIS)

VMware, Inc.



+ Supports multiple projects within OASIS Open.

^{*} Open Project Sponsor Member is eligible for all Sponsor benefits in the Open Project and all other membership benefits provided by OASIS Open rules and procedures, including voting eligibility.



MEMBER SECTIONS



EMERGENCY INTEROPERABILITY

The mission of the OASIS Emergency Interoperability (EI) Member Section is to accelerate the development, adoption, application, and implementation of emergency interoperability and communications standards and related work. The EI Member Section endeavors to represent and serve the needs of all constituents in the marketplace, ranging from practitioners to technology providers, from national to international and multinational oversight agencies.



2022 Common Alerting Protocol (CAP) Workshop 19-21 September, Amsterdam, Netherlands

OASIS Open co-sponsored the global Common Alerting Protocol (CAP) Implementation Workshop together with the International Association of Emergency Managers (IAEM), the International Federation of Red Cross and Red Crescent Societies (IFRC), International Telecommunication Union (ITU), and the World Meteorological Organization (WMO). The Workshop and Training events had 997 registered participants. Elysa Jones, chair of the OASIS Emergency Management Technical Committee, addressed the meeting regarding advances in OASIS Emergency Management standards, including a new project within the EMTC that addresses mobile device communications in combination with CAP.



IDENTITY AND TRUSTED INFRASTRUCTURE (IDTRUST)

The OASIS Identity and Trusted Infrastructure (IDtrust) Member Section promotes greater understanding and adoption of standardsbased identity and trusted infrastructure technologies, policies, and practices. The group provides a neutral setting where government agencies, companies, research institutes, and individuals work together to advance the use of trusted infrastructures, including Public Key Infrastructure (PKI).



LEGALXML

LegalXML focuses the recognized standards development processes of OASIS on the grand challenges of interoperability in the legal industry. LegalXML produces standards for electronic court filing, court documents, legal citations, transcripts, criminal justice intelligence systems, and others. OASIS members participating in LegalXML include lawyers, developers, application vendors, government agencies and members of academia.

TECHNICAL ADVISORY GROUPS

In partnership with the American National Standards Institute (ANSI), OASIS administers U.S. Technical Advisory Groups (TAGs).

TAGs represent the interests of American organizations and enable the U.S. to have a voice in the global standards produced by the International Organization for Standardization (ISO).





U.S. TECHNICAL ADVISORY GROUP UNDER ANSI AND OASIS TO ISO/PC 317



Collaborating to help define the new international standard for "Consumer Protection: Privacy by design for consumer goods and services."

At the end of 2022, ISO was preparing to publish the new standard, ISO 31700.

U.S. TECHNICAL ADVISORY GROUP UNDER ANSI AND OASIS TO ISO/TC 324



Collaborating to help define the new international standard for the "Sharing Economy"

GLOBAL OUTREACH

MULTISTAKEHOLDER PLATFORM ON ICT STANDARDIZATION

Throughout 2022, OASIS Open actively participated as a member of the European Commission's Multi-Stakeholder Platform on ICT Standardization (MSP-ICT). The MSP-ICT is composed of representatives from European Union Member States and European Free Trade Association (EFTA) countries, several Commission Services, European and international ICT standardization bodies, and societal stakeholder organizations that represent industry, and small and medium-sized enterprises and consumers.



In 2022, the EU published its standardization strategy which will affect the relationships with European and international SDOs. A taskforce led by OASIS and Industry Europe developed a plan from the MSP members to ensure future participation from international SDOs and industrial stakeholders. It is anticipated that the mandate of the MSP-ICT will be renewed in 2023.

The Rolling Plan for ICT Standardization is an important yearly deliverable of the MSP-ICT. This unique "catalog" of worldwide standardization efforts to support EU policy objectives is published in February each year. OASIS staff actively contributed to the taskforce that created this plan. The work includes a list of all related OASIS standards and activities.

OASIS OPEN EUROPEAN FOUNDATION

The OASIS Open Europe Foundation (OOEF) was set up as a European sovereign affiliate organization to OASIS Open. The OOEF provides a regional focus for members and other stakeholders of OASIS Open in Europe; engages in European specific activities to promote, progress, and adopt OASIS Open technologies; and participates in collaborative projects supported using funding instruments of the European Union (EU) and EU Member States.

In February 2022, OOEF was invited to participate in an ongoing EU Project, STRATEGY EU, and accepted the opportunity. OASIS Emergency Management TC (EMTC) Secretary Rex Brooks joined the effort and reported that the use of EMTC standards and specifications are being intensively considered as part of the solutions when responding to natural disasters, hazards, and emergencies.



Laetitia Cailleteau Accenture, France



Martin Chapman, PhD Board Chair, DIGITALEUROPE, Ireland



Eva Coscia R2M Solution, Italy



Gershon JanssenBoard Treasurer, Reideate,
Netherlands



Janna Lingenfelder Carl Zeiss Meditech AG, Germany



Guy Martin⁺
Board Secretary,
U.S.



Andriana Prentza
University of Piraeus,
Greece

+ Term ended in 2022.



FOUNDATION-AS-A-SERVICE

The OASIS Open Development Foundation, LLC serves as a host to the <u>Foundation-as-a-Service</u> program. OASIS Foundation-as-a-Service streamlines the process of forming and running a foundation for your collaborative development community. It's the smart solution for groups that want to advance open source code, standards, or related activities. Foundations operate independently while enjoying the benefits of the OASIS nonprofit corporate structure.





Now in its fourth year, the <u>Open Mobility Foundation</u> (OMF) made leaps and bounds in 2022 toward its mission of transforming the way cities manage transportation infrastructure in the modern era using well-designed, open-source technology.

Governed by cities around the world that are united in finding solutions to shared transportation challenges, the OMF creates a governance structure around open source mobility tools, including the Mobility Data Specification (MDS) and Curb Data Specification (CDS). Joined by experts, advocates, and other stakeholders, the Foundation's leaders work together — incorporating viewpoints and expertise from key groups and communities — to develop open source urban mobility tools.

In 2022, the OMF community continued to grow:

- Expanded staff and membership, welcoming a new Executive Director and several new members from the public and private sectors.
- Built digital tools that help cities better manage the movement of people and goods, releasing the
 first version of the Curb Data Specification (CDS) which is now being used by dozens of
 organizations to pilot and scale dynamic loading zones. This new digital tool has also recently
 received major support from the USDOT via the SMART grant program, which will further its use
 and development.
- Reconnected with members and the broader community through in-person and virtual events, sharing best practices and addressing key issues in mobility, including hosting a convening series around the topic of digital infrastructure supported by the Rockefeller Foundation.



The <u>Samvera Community</u> is a global community of technologists who create and maintain a suite of open source repository software. Libraries and other cultural heritage institutions around the world rely on Samvera Community supported software to organize, preserve, and provide access to their digital content. Samvera is based on the premise that no single system can provide the full range of repository-based solutions for a given institution's needs, and that no single institution can resource the development of a full range of solutions on its own. Working together, the Samvera Community creates sustainable solutions using a common infrastructure within which there is the flexibility to tailor solutions to local demands and workflows.

Samvera is a community of practice where software developers and library technologists can support and learn from one another in a welcoming, vibrant, and supportive community. The community has active participation from metadata specialists, repository managers, user experience professionals, and others who contribute their expertise to ensure the software stays relevant and responsive to changing needs.

Samvera has over one hundred implementations around the world and 34 committed Partners who collectively advance the project and the community for the benefit of all participants. Partners pledge to contribute financially to Samvera and to participate in community decision making.

OPEN CUP AWARDS

The Open Cup Awards, recognizing major accomplishments in our community, are presented annually by the OASIS Technical Advisory Board. Each year, the Cup is awarded to one Outstanding Approved Standard and one Outstanding New Initiative. Watch the <u>2022 OASIS Open Awards Ceremony</u>.



Common Security Advisory Framework
Version 2.0

CSAF v2.0 is a widely used open standard for automated security advisories and vulnerability reporting.

Category finalists:

- Architecture Management v3.0 & OSLC Quality Management v2.1
- OSLC Lifecycle Integration for Project Management of Contracted Delivery v1.0
- Security Algorithms and Methods Threshold Sharing Schemes v1.0
- Secure QR Code Authentication v1.0



NIEMOpen, an OASIS Open Project

NIEM offers a community-driven, standardsbased approach to defining information exchange packages for multiple business domains.

Category finalists:

- Infrastructure Data-Plane Function (IDPF) TC
- Value Stream Management Interoperability (VSMI) TC

DISTINGUISHED CONTRIBUTORS

This lifetime achievement award is given to members who provide outstanding service and contributions to the OASIS community and our mission. We gratefully acknowledge these outstanding individuals for their impact on the global information society. The 2022 Distinguished Contributors are Andrea Caccia, Jason Keirstead, and Vasileios Mavroeidis.





Andrea Caccia is an independent consultant and project manager with extensive experience in standard and regulation compliance, electronic invoicing and archiving, data preservation, e-signatures, trust services, blockchain and DLT. Caccia participates in numerous European standardization groups and activities at the European Telecommunications Standards Institute (ETSI), the European Committee for Standardization (CEN), and the International Organization for Standardization (ISO). At OASIS, Caccia is Chair of the Code List Representation TC and is an active member of the Security Algorithms and Methods (SAM), ebXML Messaging Services, and the Universal Business Language (UBL) TCs.



Jason Keirstead is an IBM Distinguished Engineer and CTO of Threat Management at IBM Security. He has been involved in open technology for decades, making significant contributions to and serving as maintainer of several major open source projects. Keirstead has served on the OASIS Board of Directors since 2018 and currently serves as Co-Chair of the Open Cybersecurity Alliance (OCA), where he enjoys helping to define cybersecurity interoperability. A longtime OASIS member, Keirstead is actively involved in numerous Board Committees and Subcommittees, as well as the Cyber Threat Intelligence (CTI), CSAF, and Collaborative Automated Course of Action Operations (CACAO) for Cyber Security TCs.



Vasileios Mavroeidis, PhD, a scientist and professor of cybersecurity at the University of Oslo, specializes in the domains of automation and cyber threat intelligence representation, reasoning, and sharing. Mavroeidis is actively involved in European and national research and innovation projects that enhance the cybersecurity capacity of EU authorities and operators of essential services. Since 2021, he has been an appointed member of the European Union Agency for Cybersecurity (ENISA) ad hoc working group on Cyber Threat Landscapes and the Cybersecurity Playbooks task force. Mavroeidis is focused on cybersecurity standardization efforts and has extensive involvement in OASIS TCs; he's serving as Chair of the Threat Actor Context (TAC), secretary of CACAO, and is engaged in CTI and Open Command and Control (OpenC2).



OASIS COMMUNITY EVENTS



Recordings from these events and more can be found in our event archive and on our YouTube Channel.





TECHNICAL COMMITTEES





- STIX at H-ISAC
- STIX-TAXII Plugfest
- OASIS Webinar
- Talk at RSA
- CSAF & VEX Workshop
- Talk at FIRST

MEMBER SECTIONS

IDtrust

- Talk at Identiverse
- Talk at Internet Identity Workshop

Emergency Interoperability

- Global Call to Action on Emergency Alerting
- CAP Workshop with WMO
- Mobile Alerting Crash Course at IAEM

OPEN PROJECTS







OSLC Fest



- **Amsterbased Workshop**
- Talk at fintech_devcon
- **Booth at All Things Open**
- **Talk at EthVietnam**



- Indicators of Behavior Webinar
- · Kestrel & STIX-Shifter Demo at Black Hat
- Kestrel at SC Media Event
- **OCA Breakfast Briefing at RSA**



- Webinar, use code ek87YmC?
- Talk at Blockchain in Oil & Gas Conference
- · Talk and Booth at ICC Future Trade Forum

FOUNDATION-AS-A-SERVICE

U.S. TECHNICAL ADVISORY GROUP (TAG)





Consumer Protection Webinar: Privacy by Design for Consumer **Goods & Services**



FINANCIAL POSITION

OASIS Open and Associates Combined Statements of Assets, Liabilities, and Net Assets Income Tax Basis December 31, 2022



Current Assets:	
Cash and Cash Equivalents	\$1,809,244
Certificates of Deposit	784,250
Accounts Receivable - Net	275,052
Other Receivables	133,000
Prepaid Expenses	84,930
Total Current Assets	\$3,086,476
Property and Equipment	\$ 303,318
<u>Deduct</u> - Accumulated Depreciation	208,171
·	
Net Book Value	\$ 95,147
Other Assets - Security Deposits	\$ 7,630
Strict Floories Cooliny Deposits	<u> </u>
<u>Total Assets</u>	<u>\$3,189,253</u>
Current Liabilities	
Accounts Payable	\$ 101,839
Accrued Expenses	43,023
Deferred Dues	1,442,856
	
<u>Total Current Liabilities</u>	\$1,587,718
Total Liabilities	\$1,587,718
- Ottal Elabilities	\(\frac{\pi}{1}\)
Net Assets:	
Without Donor Restrictions	\$1,479,367
With Donor Restrictions	122,168
Total Net Assets	\$1,601,535
Total Not 7100cto	- 1,001,000
Total Liabilities and Net Assets	<u>\$3,188,253</u>

Further details may be found in the Financial Statement and Independent Auditors Report, located in the Members-only web pages: http://www.oasis-open.org/private/documents/agm-2023-audit-report.pdf

In 2022, there were no "Specific Transactions to Members" which deal with the transactions between Directors or significant stockholders and OASIS, and are reportable to Members under Article 7, Section 7 of the OASIS Bylaws.



STATEMENTS OF ACTIVITIES



OASIS Open and Associates Combined Statement of Revenue and Expenses Income Tax Basis for the Year Ended December 31, 2022

<u>Changes in Net Assets without Donor Restrictions:</u> <u>Operating Support and Revenue:</u>	
Membership Dues and Project Support	\$2,816,830
Contributions	145,708
Net Assets Released from Restrictions	113,272
Total Operating Support and Revenue	<u>\$3,075,810</u>
Operating Expenses:	
Payroll and Related Expenses	\$1,541,404
Business Development and Member Services	21,831
General and Administrative Services	411,660
Standards Development and TC Administration	235,297
Open Project Program Expenses	80,224
Member Section Expenditures	33,370
Open Mobility Foundation Expenses	628,282
Samvera Foundation Expenses	149,632
OASIS Open Development Foundation Expenses	<u>2,547</u>
<u>Total Operating Expenses</u>	<u>\$3,104,247</u>
Loss from Continuing Operations	\$ (28,437)
Non-Operating Income:	
Interest Income	<u>2,885</u>
Decrease in Net Assets without Donor Restrictions	\$ (25,552)
<u>Changes in Net Assets with Donor Restrictions</u>	
Grant Revenue	\$ 235,440
Net Assets Released from Restrictions	<u>(113,272)</u>
Increase in Net Assets with Donor Restrictions	<u>\$ 122,168</u>
Increase in Total Net Assets	<u>\$ 96,616</u>

OASIS Open is a 501 [c]6 Not for Profit international consortium that drives the development, convergence and adoption of open standards and open source for the global information society. 0% of Funds Received are used for Lobbying Purposes.





GET INVOLVED

Start an Open Project.

Join a Technical Committee.

Follow our **Events Calendar**.

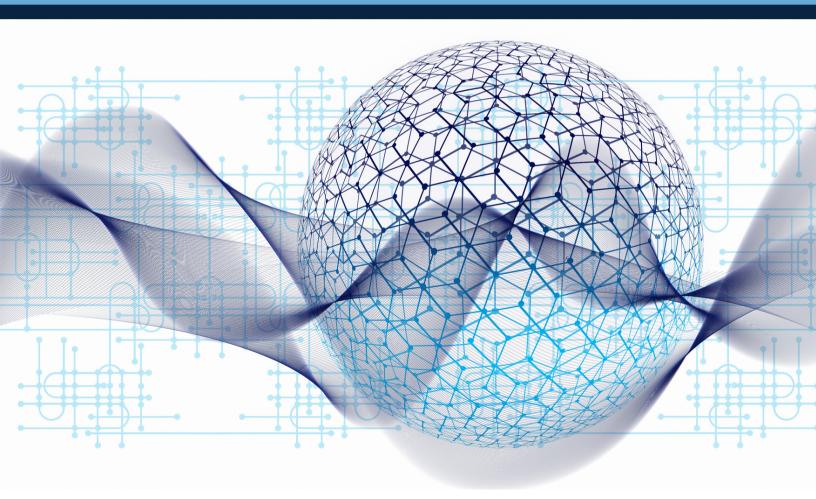
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