

Charter for XR Data Classification Working Group XR Safety Initiative Data Classification Framework Public Working Group

Purpose

The purpose of XRSI Data Classification Framework Public Working Group (DCF-PWG) is to develop fundamental understanding of properties and classification of data in XR environments. The XR Data Classification Framework will identify practices and models currently implemented by global first movers and early adopters, examine how the implementation of these schemes can simplify XR enablement. The framework will help organizations and XR stakeholders in making pragmatic risk based decisions during the entire Data lifecycle.

DCF-PWG efforts will be directed to categorize specific types of data (and currently available mechanisms) needed for data classification scheme. Corresponding security provisions can be applied based on the proposed classification scheme, enabling safer XR environments.

Background

The magnitude and scale of XR data makes it challenging to categorize in simplified manner. Regardless, an attempt must be made to look thru and analyze such large amount of data with a filter of Information Security, privacy and safety principles.

The global XR revenue is expected to reach \$60,000 millions by the end of 2022 (ref: ARtillery). Since XR has the potential to record all new kinds of user information (from eye movements and emotions to the movement of a user's entire body through space), ensuring that this data is managed in a responsible way has become paramount for virtual XR researchers and commercial entities alike. XR creates a complex convolution... in which the biological mind and its technological niche influence each other in ways we are just beginning to understand. It is this complex convolution that makes it so important to think about the Security, Privacy and Ethics of XR in a critical, evidence-based, and rational manner.

The development of Data Classification guidance, common vocabularies, and Data sets will certainly contribute to the understanding of potential risks associated with XR data.

The XR Safety Initiative (XRSI) has a technology leadership role, consistent with its mission, to inspire and catalyze the safe use of X-Reality. An immediate application will result into creation of baseline standards as well as secure and effective adoption of XR technologies.

XRSI intends to work closely with university-based research organizations and public/commercial XR technology providers to:

- Establish a “standards-based” workflow for the management of access and use of XR data and computing resources;
- Establish reporting to and coordination with funding agencies;
- Develop “community-based” contracts to streamline acquisition of services;
- Encourage commercial providers to offer research cyberspace consistent with community generated requirements and compliant with relevant policies;
- Develop a standard approach to communicating any data/resource stewardship, policy-based, regulatory, contractual and financial obligations related to the access to and use of XR technologies.

A clear guidance and good practices could further aid organizations and stakeholders in planning adoption of XR technologies. This can be achieved by taking into consideration the potential dangers of unintended data disclosures, data breaches, privacy and Terms of Service (ToS) violations that could eventually impact their mission and objectives.

Scope

XR Data Classification Framework Public Working Group (XR-DCF-PWG) will seek to leverage the existing, publicly available work, plus the work of the other data classification schemes including General Data Protection Regulation (GDPR) to produce stated goals. XR-DCF-PWG seeks to develop data categorization scheme based on the potential impact to the confidentiality, integrity, and availability of information and information systems. The XR-DCF-PWG will seek to:

- a) Describe high-level common XR use case scenarios to illustrate and describe the role and importance of and relationship between data protection and mass adoption of XR tech.
- b) Provide guidance on dealing with risk assessment issues for the use case scenarios (including but not limited to):
 - i. Determine if any suitable classification scheme exists for the scenarios;
 - ii. Guidance on suitability of data classification mechanisms;
 - iii. If it does not exist, develop recommendations for future development.
- c) Describe overall guidance on overall security considerations throughout the data lifecycle (Create, store, use, share, archive, destroy).
- d) Help develop good practices relating to data and information exchange with various third parties and considerations for service level agreements (SLAs).

Deliverable/Expectation

The end goal is to prepare a public facing XRSI Data Classification Framework whitepaper. XRSI Internal Report (IR) will include the identified common scenarios and any associated data analysis recommendations, guidance on third party exchange of data sets and and recommendations on how to classify sensitive and non-sensitive data in XR. If any gaps exist, (common scenarios without any sample set or available mechanisms), a revised version of XR-DCF will be created and published. The ultimate ambition is to enable risk based data classification that is platform and environment agnostic yet takes in account data captured without the knowledge of XR stakeholders.

Important Dates

Working Group Commencement: June 10th 2019

Working Group Closing : September 26th 2019

Data Upload Cut-Off date: July 25th 2019

Meeting Frequency

It is anticipated that there will be either weekly or bi-weekly meetings by teleconferences for 60-90 minutes. A schedule of meetings and times will be supplied.

Dial-In Information for Meetings

The URL for the web conference tool for the meeting is:

<https://zoom.us/j/360116077?pwd=aXVjU2JOUHVkZUZkTHNsazNFTW5yUT09>

Password: dcfpwg

The dial-in information for the meetings is as follows:

- Phone: US Toll free 1-800-619-3617
(please see <https://www.mymeetings.com/custom/res/content/resNumbers.php> for numbers for other countries)
- Participant code: 84489

Time: Jun 20, 2019 9:00a PST / 5:00pm GMT

Every week on Thu, until Sep 26, 2019, 15 occurrence(s)

Please download and import the following iCalendar (.ics) files to your calendar system.

<https://zoom.us/meeting/360116077/ics?icsToken=edad2155083aa5cd6f97c2ef969b082f4d926d2457aa12d67192f156b2cf0ea7>

One tap mobile

+16699006833,,360116077# US (San Jose)

+19292056099,,360116077# US (New York)

Dial by your location

+1 669 900 6833 US (San Jose)

+1 929 205 6099 US (New York)

Meeting ID: 360 116 077

Find your local number: <https://zoom.us/j/360116077>

Membership

Participation in the WG is open to all interested parties. There are no membership fees.

Chair / Co-Chair

Kavya Pearlman, kavya@xrsi.org / Regine Bonneau, regine@xrsi.org

XRSI Direct Contact: +1-415-404-9430

Liaisons

The work of the XRSI Data Classification Framework Working Groups is interrelated with several other leading organizations in the space, aligned with the mission of XRSI:

- Open AR Cloud (OARC): www.openarcloud.org

Standing Rules

Documents shall be made available to all WG members. Final recommendations from the WG will be made publicly accessible on the XRSI DCF-PWG wiki page:

<https://dcf.xrsi.org>

Outreach

XRSI will make the results of this PWG available to Standards Developing Organizations (SDOs) and other interested parties.

Dcf-Pwg Mailing list

Discussion on this topic will be done through the working group mailing list. The email address for XR DCF Public Working Group is dcf@xrsi.org.

If you are interested in signing up to the mailing lists, you simply need to use [Ctrl+Click] the following link:

<mailto:dcf@xrsi.org?subject=subscribe>

If you want to remove yourself from the list, send an email with the word "unsubscribe" in either the subject or message body (or both) to

<mailto:dcf@xrsi.org?subject=unsubscribe>

Participant Guidelines:

Participation in the XRSI Public Working Group is for the purposes set forth in the group charter. The mailing lists and meeting teleconferences are not intended for promotional announcements, advertising, product-related press releases, or other commercial use. Please note that unsolicited commercial communications to XRSI Public Working Group participants as a result of your access to the Working Group membership list may result in the loss of your access to the mailing list or collaboration team site.

Mailing List Etiquette:

- Include a signature tag on all messages. Include your name, affiliation, location, and email address.
- State concisely and clearly the topic of the comments in the subject line. This allows members to respond more appropriately to your posting and makes it easier for members to search the archives by subject.
- Only send a message to the entire list when it contains information that everyone can benefit from.
- Send messages such as "thanks for the information" or "me too" to the individuals – not to the entire list. Do this by using your email application's forwarding option and typing in or cutting and pasting in the email address of the individual to whom you want to respond.
- Do not send administrative messages such as "remove me from the list" through the list server. Instead, use the web interface to change your setting or remove

yourself from a list. If you are changing email addresses, you do not need to remove yourself from the list and rejoin under your new email address. Simply change your settings.

To subscribe to the XRSI PWG's mailing list, please click subscribe and include your full name and email address in the body of the message.

To unsubscribe, please click unsubscribe and include your full name and email address in the body of the message.