



VISUAAL

Privacy-Aware and Acceptable
Video-Based Technologies
and Services for Active and
Assisted Living

D4.2. Website and profiles in social networks

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0.2	29/10/2020	I	Reviewed and formatted appropriately. Images of the website and social networks added
1.0	29/10/2020	F	Some typos solved and disclaimer added

* Milestones names include abbreviations/terms as follows:

- Draft (D): describes planned contents and main structure of the different sections. Document is between 0% - 50% completed.
- Intermediate (I): document is approximately between 50% - 100% completed. It is the previous step before it could be released.
- Released (R): document is 100% completed, reviewed and authorized for release by the partner responsible of the deliverable or the WP leader.

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Executive summary

This document outlines the functional requirements and the IT infrastructure required to develop the visuAAL website. This website has been designed using the visual guidelines (logo, images, colours) presented in Deliverable D4.3. Corporate image. Different menu options have been initially included. These options may vary during the project as some of them will be hidden/activated as needed.

The visuAAL project has registered the domain name visuaal-itn.eu as the main URL for the website.

Additionally, profiles for the visuAAL project have been created in several social networks to enhance visibility and to interact with the users:

- LinkedIn: <https://www.linkedin.com/showcase/visuaal-msca-itn/>
- Twitter: https://twitter.com/visuAAL_ITN
- YouTube: <https://youtube.com/channel/UCXqJFasYgZL5p8CtDAJ-Pzg>

1. Introduction

This document specifies:

- 1- The functional requirements of the VisuAAL project website. In addition, the VisuAAL project website requires a set of IT infrastructure components that are defined in this deliverable.
- 2- The profiles in social networks created in order to engage with the general public on a continuous basis and favour interaction and mutual influence.

2. Website specifications and requirements

2.1. Infrastructure set up

2.1.1. DEV-PROD virtual environments

Two virtual server environments have been set up in order to provide the service with the required IT tools. Besides, the IT team has prepared a local development environment. A development-testing-production scheme has been implemented so that all new features could be developed in a first environment, then tested in a second one and eventually has been made available to the public in a separate production environment.



Both virtual environments have similar software specifications and are established for the following purposes:

- The testing and development environment (DEV) hosts the functional and non-functional testing of new features developed. New content will be automatically synchronized from PROD. This virtual machine will not be accessible to the general public, only to the IT team and other actors in the website creation process.

- The production environment (PROD) hosts the public version of the websites with all its working features and public contents that are accessible to end users. This environment is available to the general public once the migration process has been successfully performed and validated.

2.1.2. Physical servers

Both environments are hosted in a separated virtual machine in a physical server located in the University of Alicante data processing centre. Its initial server hardware configuration has the following specifications:

- 2x Intel® Xeon® CPU E5 processing units each 3 GHz and 12 cores/threads
- 32 GB DDR4 ECC
- Four 1 TB HDD in RAID configuration
- Two 10 Gbps Ethernet network devices
- Public IP addresses
- Unlimited monthly network traffic
- Two redundant 350W power supplies

Additionally, resources were reserved in a secondary physical server in order to be able to replicate this environment from backup copies as a contingency measure in case of a potential critical incident that could endanger and eventually put the PROD environment out of service.

2.1.3. Data Centre

The University of Alicante data centre hosts the DEV and PROD environments and the back-up storage server providing the following features:

- Physical access control including restricted access with ID cards, access log, 24x7 surveillance cams and security officers.
- Twin cooling systems keeping less than 20°C and 50% air humidity and including a failsafe temperature sensor connected to the centralised campus security alarm.
- Redundant power supply in two levels: UPS batteries and two diesel generators.
- Fire prevention systems.
- Separated public and private VLANs and network firewall.
- 10 Gbps ethernet local area network.

2.1.4. Software specifications

The following software versions are used:

- Debian GN/Linux 9.12
- Apache 2.4.25
- PHP 7.0.33
- MySQL 5.5.54-0+deb8u1 - (Debian)
- Content Management System platform: Drupal 8.9.6 (with the last security update available at the moment)
- Matomo Analytics 3.13.16

These software versions will be monitored and updated with their security updates when necessary.

2.1.5. Security

Security measures are implemented in order to ensure protection of the information assets that can be accessed from the web server. Besides the corporate UA firewall, the following measures are implemented:

SSL

- No direct/external access to Drupal or databases. All access is done using a gateway to access the application servers.
- Firewall rules is implemented so only allowed SSH keys have access to the server.
- Only specific IPs are allowed to connect, using SSH, to the server.

HTTPS support

- Encrypted communication protocol HTTPS, which is used for secure communication over a computer network.

2.1.6. Backup storage media

A dedicated rack-mounted Network Attached Storage (NAS) Server is used for back-up copies.

- Quad core 2.0 GHZ 64 bit processor
- 4 GB RAM
- 4x 2TB High Performance discs in RAID 5 configuration
- 2x 10 GbE network interfaces

- QNAP virtual machine snapshots and container back-up management software
- AES-NI encryption
- Redundant power supply

A website PROD container snapshot will be backed up on a daily basis. One weekly backup version shall be set aside at regular intervals as a long-term (one-year) archive. The server(s) will be maintained and updated, regularly, backed up to prevent data loss and housed in our secure networked data centre facilities for maximum reliability and availability.

2.1.7. Domain name registration and email addresses

The visuAAL project has registered the following domain name as the main URL for the website:

visuaal-itn.eu

The following email addresses have been created:

- info@visuaal-itn.eu
- webmaster@visuaal-itn.eu

2.2. Theme selection and customisation

In order to facilitate the implementation of the website a base graphical Drupal theme has been selected. This theme is required to have the following features:

- Based on Bootstrap 4 (Flex based) framework
- Responsive layout for different devices
- Column based grid with 1, 2 and 3-columns automatic layouts
- Predefined regions (at least: header, top header, navigation menu, primary menu, secondary menu, banner, highlighted, featured top, breadcrumb, content, sidebar first, sidebar second, featured bottom and footer)
- HTML5, CSS3 and JavaScript compliant
- SASS and JQuery integration
- TWIG templates

The selected theme is customised with graphical elements already produced for the VisuAAL project image branding such as logo, colour scheme, icons, pictures and layout.

2.3. Content types definition

The following content types have been defined in the website. Users with the appropriate roles (project coordinator and community manager) will be able to create items of such types.

Content type	Description	Fields
Basic page	static web pages	title (short text) body (long text - full html)
Banner	items for uploading images to banner	title (short text) body (long text - full html) image (File) link (link) order (integer number)
Blog post	used for posting blogs	title (short text) body (long text - full html) image (File) category (select list) tags (entity reference) blog comment (comment)
Consortium	used for content like beneficiaries or partner organisations	title (short text) body (long text - full html) coordinator (boolean) country (select list) department (long text) link (link) logo (file) order (integer number) principal investigator (link) type (select list)
Deliverables	used for content like deliverables	title (short text) body (long text - full html) authors (text plain) date (date)

Content type	Description	Fields
		link (link) PDF (file)
News	used for time-sensitive content	title (short text) body (long text - full html) image (File) date (date) type (select list)
Newsletter Issue	items to be sent by email to subscribers. It will use the simplenews modules for drupal newsletter management.	title (short text) body (long text - full html) newsletter (simplenews issue)
Partners	information from any institution being partner of the VisuAAL project	title (short text) body (long text - full html), logo (file) link (link) order (integer number)
Scientific publications	used for content like scientific publications	title (short text) body (long text - full html) authors (text plain) date (date) link (link) PDF (file) type (select list)
Video	used for post video clips	title (short text) body (long text - full html) video (link)
Webinars	used for content like events, training or webinars	title (short text) body (long text - full html) image (File) date (date) link (link) registration (select list)

2.4. Website navigation / structure definition

The website has the following navigational and structural elements:

2.4.1. Main navigation

Located on the header region and on footer region, it displays the following navigational elements in large text size, each one linking to the respective basic page or listing (page view). Menu item labels order may vary during the project as some options will be hidden/activated as needed.

- |--> Home (VisuAAL homepage)
- |--> Consortium (List of beneficiaries and partner organisations)
- |--> Research (Research programme)
 - |--> WP1. Social responsibility
 - |--> WP2. Privacy-by-design
 - |--> WP3. Video-based AAL applications
- |--> Training (List of academic training and skills training)
 - |--> Academic training
 - |--> Skills training
- |--> Outcomes (List of different content like blog, deliverables..)
 - |--> Blog
 - |--> Deliverables
 - |--> Scientific publications
- |--> News (List of news items)
 - |--> Webinars
 - |--> Newsletter
- |--> ESR vacancies / Researchers (Research projects. Available one of them)
- |--> Extranet (Extranet for coordinator user)

2.4.2. Secondary menu

Located in header top and on footer region, it is displayed with smaller text size. Menu item labels order may vary during the project as some options will be hidden/activated as needed

- |--> Legal notice (Disclaimer, copyright and other legal information)
- |--> Privacy policy (Privacy policy)
- |--> Sitemap (Map of the website)

--> Contact us	(Contact information and contact form)
--> My account	(logged in users only)
--> Log out	("Log in" for anonymous users)
--> Social media	(Icons and links for each social media network used in the scope of the project)

2.4.3. Custom blocks

Blocks are web page areas (boxes) that may be located in one or several pages of the website. They are used to highlight specific information or graphical elements and link to other pages. The following special blocks are used to facilitate navigation to the website users.

- Banner block (top header region) with decorative images/pictures generated by the project.
- Search block (sidebar second region) including a search field.
- Latest News block (sidebar second region) including a list of last news published.
- Social media block (sidebar second region) including links to Twitter social media network used in the scope of the project.
- Featured block (featured bottom region) including links to featured sections like Research, Training or ESR vacancies.
- Partners block (featured bottom region) including logos and links to partners of visuAAL project.
- Funded by block (footer region) including the funding acknowledge text, funder logo, link, etc.

2.5. Blog

Users will be able to publish comments and posts in the blog section on the website. New comments will need to be approved before publication. The blog features are implemented in the website but disabled in the first project phase.

2.6. Newsletter

The website has a system to send by mail the content published on the website regularly to the subscribers, including the following features:

- Newsletter subscriber management
- Newsletter system with subscription
- List of past newsletter issues
- Newsletter statistics like the Click-through rate

2.7. User management

The website has the following user roles, each of them with its respective permissions:

- Coordinator: project coordinator, will be able to create new contents of any type, upload files to the file repository and monitor other contents or repository files.
- Community manager: will be able to create a reduced set of content types like newsletter or blog.
- Administrator: platform IT administrator, will have access to the platform configuration and full permissions.
- Registered users: will be able to manage their subscriptions to the newsletter and their data user.
- Visitors: anonymous users access only to the public contents of the site.

All users will have to log in (with the appropriate username and password) in order to enjoy the respective permissions, with the exception of anonymous visitors.

2.8. Web analytics integration // tracking user activity

A Piwik/Matomo Analytics platform hosted in our server will collect all visitors information on the website.

Piwik provides comprehensive on-line reports on website usage including but not limited to the following elements:

- number of sessions

- unique users
- page views
- page/session
- session duration
- bounce rate
- new/returning visitor rate
- country of origin
- user device
- browser app
- top active pages
- landing pages
- number of (file) downloads
- keywords used in order to get to the site
- Social Media traffic
- referral sites

User consent will be requested before performing any tracking using cookies.

2.9. Technical maintenance

The following maintenance subtasks will be periodically carried out:

- Database and website back up: twice a week.
- Private area accesses monitoring
- Drupal security/system updates, fine tuning and bug fixing
- Website response time checks

These subtasks will be manually monitored once each month. Error notifications and system failures will be immediately attended during regular working hours.

2.10. Initial website

The following figures show some pages of the initial website. These pages will be updated during the project.

visuAAL - Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living

Europe is facing crucial health and social care challenges due to the demographic shift towards an ageing population and related economic impact from increased provision of care. Innovation in Active and Assisted Living (AAL) solutions has the potential to address these healthcare and social demands while profiting from the economic opportunities driven by the Silver Economy. Advances in computer vision have given video cameras the ability of 'seeing', evolving their functionality to become 'smart cameras'. However, the monitoring using cameras can be seen as intrusive and

Search

Latest News

September 1, 2020
visuAAL starts

Social media

visuAAL - Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living

Consortium

Beneficiaries | [Partner organisations](#)

Universidad de Alicante
Spain
Principal Investigator: **Dr Francisco Florez-Revuelta** (Network coordinator)
Department of Computing Technology

RWTH Aachen University
Germany
Principal Investigator: **Prof Martina Ziefle**
Chair of Communication Science, Human-Computer

Search

Latest News

September 1, 2020
visuAAL starts

Social media

Tweets by @visuAAL_ITN

visuAAL @visuAAL_ITN
Replying to @visuAAL_ITN
Looking for applicants with a Master's degree (or equivalent) in Psychology, Communication Science, Sociology or a related area; proficiency in written and spoken German (C2 Level), and competent

visuAAL - Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living

Consortium

Search

Latest News

September 1, 2020
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Looking for applicants with a Master's degree (or equivalent) in Psychology, Communication Science, Sociology or a related area; proficiency in written and spoken German (C2 Level), and competent

Beneficiaries | Partner organisations

[AIT Austrian Institute of Technology](#)
Austria

[Anyvision \(NI\) Ltd](#)
United Kingdom

[Association for the Advancement of Assistive Technology in Europe](#)
Austria

[Associazione Italiana per l'Assistenza Agli Spastici Provincia di Bologna](#)
Italy

[Cáritas Diocesana de Coimbra](#)

visuAAL - Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living

Research

Search

Latest News

September 1, 2020
visuAAL starts

Social media

Tweets by @visuAAL_ITN

visuAAL @visuAAL_ITN
Replying to @visuAAL_ITN
Looking for applicants with a Master's degree (or equivalent) in Psychology, Communication Science, Sociology or a related area; proficiency in written and spoken German (C2 Level), and competent

visuAAL aims to offset the "Big Brother" perception towards the use of visual systems by increasing the understanding of user acceptance towards new visual based technologies and services. Scientific and technical innovations emanating from visuAAL will seek to have significant impacts on the health and wellbeing of older adults, their families and other stakeholders by allowing older adults to remain independently at home supported within their communities. The outcome of this will be to improve market reach for future visual support health systems.

The main objectives are:

- To support a multidisciplinary, multi-cultural, multi-societal, gender-based analysis of user acceptance of video-based AAL technologies and services;
- To analyse the ethical, legal, data protection, societal and behavioural issues for developing and implementing effective solutions; and
- To develop algorithms, systems and infrastructure for privacy-aware AAL solutions.

Consequently, the research programme is organised in three work packages (WPs), where individual projects are integrated:

- WP1. Social responsibility: Ethical, legal, social, data protection and privacy issues
- WP2. Privacy-by-design in images and videos
- WP3. Video-based AAL applications

visuAAL - Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living

Home Consortium Research Training News ESR vacancies

Training

The structure of the training programme consists of four elements that will enable the ESRs to reach an excellent level of doctoral research:

1. The **academic training** provides scientific knowledge on the role of video-based systems for AAL as well as on interdisciplinary aspects, such as user acceptance, data protection and behavioural science; to carry out cutting-edge research;
2. The **skills training** focuses on transferable skills that ESRs need in a career in an academic or non-academic environment;
3. The **secondment programme** enables ESRs to gain practical experience, professional input to the academic background and to build a network in the field where they will work after visuAAL;
4. **Visiting experts** will share hands-on knowledge and industry-specific professional expertise complementing visuAAL's faculty.

Search [input] [magnifying glass]

Latest News

September 1, 2020
visuAAL starts

Social media

Tweets by @visuAAL_ITN

visuAAL

visuAAL - Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living

Home Consortium Research Training News ESR vacancies

News

Stay informed on the latest news, our new publications, upcoming webinars and training events by [subscribing](#) to our newsletter.

[Newsletter archive](#)

October 29, 2020
Call for ESR positions open
The call for 15 ESR positions has open. The deadline is on 20 November 2020. More information about each research project, requirements and application at <https://www.visuAAL-itn.eu/esr-vacancies>

September 1, 2020
visuAAL starts
Today, our Marie Skłodowska-Curie Actions Innovative Training Network starts. Subscribe to visuAAL's newsletter if you want to stay informed on the latest news, our new publications, upcoming...

Search [input] [magnifying glass]

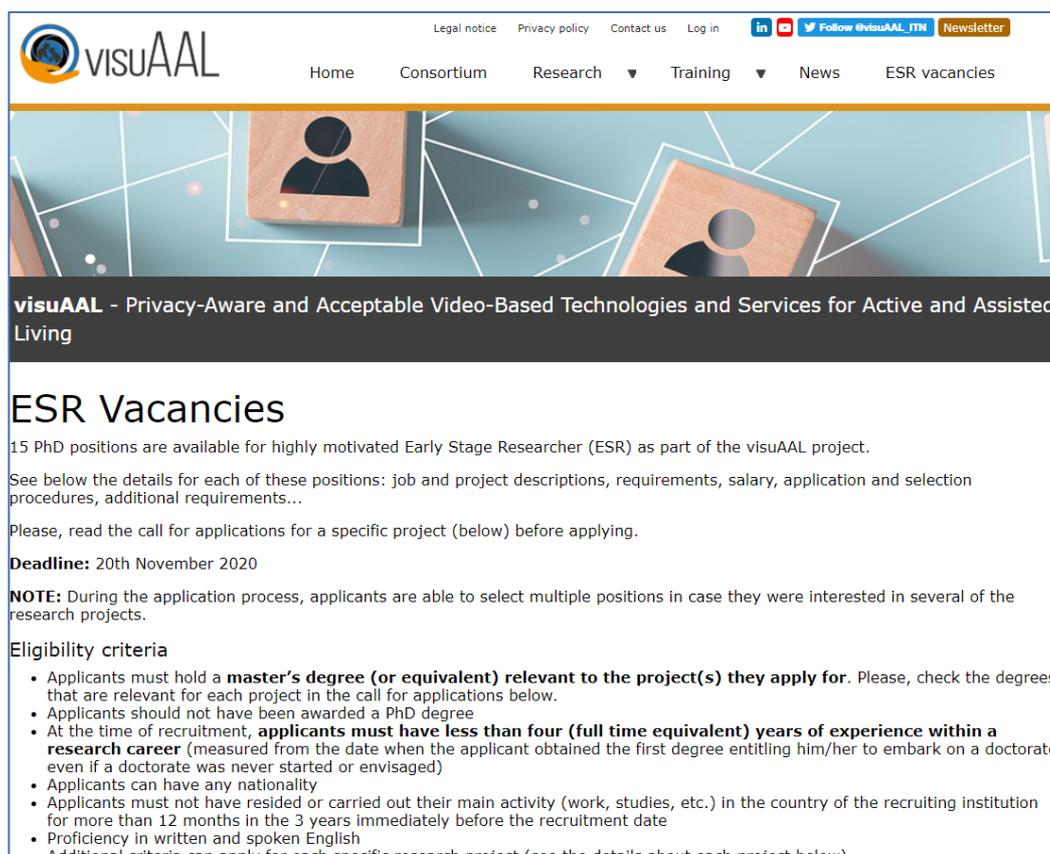
Latest News

October 29, 2020
Call for ESR positions open

September 1, 2020
visuAAL starts

Social media

Tweets by @visuAAL_ITN



The screenshot shows the visuAAL website with a navigation menu including Home, Consortium, Research, Training, News, and ESR vacancies. The main content area features a banner with the text "visuAAL - Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living" and a section titled "ESR Vacancies".

15 PhD positions are available for highly motivated Early Stage Researcher (ESR) as part of the visuAAL project. See below the details for each of these positions: job and project descriptions, requirements, salary, application and selection procedures, additional requirements...

Please, read the call for applications for a specific project (below) before applying.

Deadline: 20th November 2020

NOTE: During the application process, applicants are able to select multiple positions in case they were interested in several of the research projects.

Eligibility criteria

- Applicants must hold a **master's degree (or equivalent) relevant to the project(s) they apply for**. Please, check the degrees that are relevant for each project in the call for applications below.
- Applicants should not have been awarded a PhD degree
- At the time of recruitment, **applicants must have less than four (full time equivalent) years of experience within a research career** (measured from the date when the applicant obtained the first degree entitling him/her to embark on a doctorate, even if a doctorate was never started or envisaged)
- Applicants can have any nationality
- Applicants must not have resided or carried out their main activity (work, studies, etc.) in the country of the recruiting institution for more than 12 months in the 3 years immediately before the recruitment date
- Proficiency in written and spoken English
- *Additional criteria can apply for each specific research project (see the details about each project below)*

3. Profiles in social networks

After some discussions, the visuAAL project has decided to create initially profiles in these social networks: LinkedIn, Twitter and YouTube. If, in the future, the Consortium finds other social networks interesting, new profiles will be created.

See below the URLs and display captures of the profiles created in those social networks.

3.1. LinkedIn

<https://www.linkedin.com/showcase/visuaal-msca-itn/>

D4.2. Website and profiles in social networks

The screenshot shows the LinkedIn profile page for 'visuAAL MSCA Innovative Training Network'. The header includes the LinkedIn logo, a search bar, and navigation icons for Home, My Network, Jobs, Messaging, Notifications, Me, Work, and Post a Job. The profile name is 'visuAAL MSCA Innovative Training Network' with an 'Admin view' button and a 'View as member' button. Below the name, there are tabs for Home, Content, New, Analytics, and Activity, along with an 'Admin tools' dropdown. The main banner features the text 'Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living' and a background image of a person and a camera. The profile picture is the visuAAL logo. The bio states: 'visuAAL MSCA Innovative Training Network', 'Higher Education · Alicante · 13 followers', and 'Bridging the knowledge gap between user requirements and the appropriate and secure use of video-based AAL technologies'. At the bottom, there is an 'Analytics' section showing 'Last 30 day activity' with '18' and '0%', a 'Start a post' button, and an 'Invite Connections To Follow' section with '100/100 credits available'.

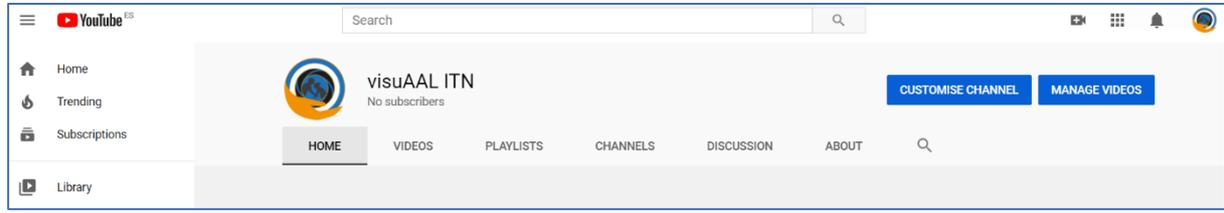
3.2. Twitter

https://twitter.com/visuAAL_ITN

The screenshot shows the Twitter profile page for 'visuAAL @visuAAL_ITN'. The left sidebar contains navigation options: Home, Explore, Notifications, Messages, Bookmarks, Lists, Profile, and More, with a 'Tweet' button at the bottom. The main content area shows the profile header with the name 'visuAAL', '8 Tweets', and a profile picture. The bio reads: 'Marie Skłodowska-Curie Innovative Training Network on Privacy-Aware and Acceptable Video-Based Technologies and Services for Active and Assisted Living', with a website link 'visuAAL-itn.eu' and 'Joined July 2020'. It also shows '9 Following' and '41 Followers'. Below the bio are tabs for 'Tweets', 'Tweets & replies', 'Media', and 'Likes'. A 'Pinned Tweet' is visible, dated 'Oct 22', with the text: 'The call for applications for 15 PhD fully funded positions is open. Projects in different knowledge areas: computer science, electronic engineering, sociology, psychology, law, nursing, healthcare. Apply before 20 November at visuAAL-itn.eu/esr-vacancies'. The tweet has 17 replies and 17 likes.

3.3. YouTube

<https://youtube.com/channel/UCXqJFasYgZL5p8CtDAJ-Pzg>



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