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Release 4.2

Quobis communications platform 4.2 is a new step further in order to achieve a complete extensible unified communications framework. New features include better SIP integration with newer available options, better scalability and maintenance through a dedicated API, security features, and multiple updates on the Collaborator applications.

Some examples are:

- Contacts refactor. Improves performance, development process and security/privacy.
- Agent Assigner. User skill definition and agent distribution policies.
- Push notification refactor to improve performance, improved notification options.
- Collaborator web lobby for meetings.
- Collaborator password protected meetings.
- Collaborator visual feedback improved.
- Collaborator conference view information improvement.
- Collaborator iOS general improves on all areas.

Find on the following list a complete report of updates for current release.

New features

Quobis WAC

Check WAC API new endpoints at documentation space: <https://doc.quobis.com>

- New API for cluster management added (kapi). This is an aggregative change, no breaking change.
- New endpoints added for new features: actionable alerts, address books, liveness probes, agent assigner.

Complete feature list.

- Add VALARM ICS parameter to set the meeting reminder
- AgentAssigner: Establish assignation strategy
- As a developer, I want a fast approach to password protected meetings
- As a meeting organizer, I want to receive the meeting email invite
- As a system administrator I want have several redirect URIs based on kind of client
- As an admin I want to limit the static storage dedicated to chat, recording, etc
- As an admin, I want to have dynamic TURN credentials (Security).

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- As an administrator I want to assign parameters to users (tags) in order to categorize them and use them as source for the agent assigner
 - As an administrator I want to configure whitelist domains for my architecture machines
 - As an administrator, I want to enforce user password security policy
 - As an agent user, I want to transfer support-chats
 - As a developer I need to understand if me, as user, I'm participating on a meeting or on a plain conference
 - As SIP client I need to have a 404 SIP response when a user is not found on the Quobis Communications Platform
 - Delete temporary files when recording process finish
 - Migration of Sippo REST API to OpenAPI
 - Multiplex WS connection (Phase 1): sippo-server / QSS
 - Recording only audio
 - REST API Meetings: As a user I want to get the meetings that I'm being invited to as participant
 - Review presence/avatar potential XSS
 - SIP register delegation with Janus
 - As a developer, I want to deploy the platform on a lab simplified architecture (K3s)
 - As a system administrator I want to check if messages are being stuck on the Rabbit queues
 - As an integrator, I want to have an API to handle the cluster itself
 - Audiomixer (Asterisk) support for K8s
 - SFU (Janus) support for K8s
 - SIP 302 REFER handle on SIP-proxy
 - SIP balancing incoming (several AudioMixers)
 - SIP call authentication - Provide support to calls authentication
 - SIP-proxy (Kamailio) support for K8s
 - sippo-compose deprecation
 - Deprecation of w3c-contacts-api

Collaborator web + desktop

- Ability to configure and customize webphone UI
- Adapt settings view to a single-panel vision
- Allow RETURN usage on chat
- As a collaborator user, I want to a list of participants as conference context info

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- As a user I want not to accidentally kick a participant from the meeting
 - As a user I want to configure a "ValidUntil" field on the meeting creation form
 - As a user I want to have clearer errors when creating a meeting
 - As a user I want to hide the thumbnails and not recover them when someone join/left
 - As user I want to have DisplayName + username/phone on incoming calls
 - Change help images (no text included)
 - Conference activity timer (local timer)
 - Customize colors - Adapt webphone colors to design palette
 - Include last chat message on the chat list view
 - Meetings: Display meetings that you are invited as participant
 - New hold API endpoint consumption API to use SIP hold method to SIP trunk.
 - No meetings help
 - Square thumbnails
 - As a user, I want a to join and use password protected meetings (step 3)
 - As a user, I want an new welcome view for all meetings with a video preview (step 2)
 - As a user, I want an new welcome view for public rooms (step 1)
 - As a user, I want to click on the "X" on the desktop app, then the app is minimized to system tray and display notifications. (background)
 - Deprecation of w3c-contacts-api

Collaborator iOS app

- "Join / abandon user" notifications for group chat
- [caps] start-chat: Add user capability to allow the creation of new chats
- [caps] Support for "audio-calls" capability
- [UX] Allow RETURN usage on chat
- Ability to redial from the conference log (only 1-1)
- Add a participant to the current call
- Add emoticons support
- Add online/offline contacts counter on the AGENDA view
- Add participant to the group chat, once created
- As a user I want to hide the thumbnails and not recover them when someone join/left
- As a user, I want to see a pending message counter on the footer's chat icon
- As user I want to check version at login and left sidebar
- Contact list usability improvements
- Delegated login (Active Directory - ADFS)

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- Direct transfer (dialpad)
 - Direct transfer (search)
 - Display group information on contacts
 - Display phonebooks on the contact list
 - Display time of last message in the chat list
 - Display user's groups participants on the contact list
 - Display userGroups on the contact list
 - DTMF support
 - Early media support
 - Group the chat messages that arrive at similar time
 - In-call timer (mm:ss)
 - Include last chat message on the chat list view
 - Is typing label
 - Leave a group chat
 - Logout button
 - Make a video call from the dialpad
 - Make a video call to a domain contact
 - Make an audio call from the dialpad
 - Make an audio call to a displayed contact from the contact list
 - Make an audio call to a domain contact
 - Make an audio call to a group from callog
 - Make an audio call to a personal contact
 - Mute an audio call
 - Mute my video in a video call
 - Phone settings section to change backend URL (not for production, testing only)
 - Push notifications for incoming calls
 - Reject an incoming call
 - Remove participant on the group chat, once created
 - Ringback tone
 - Ringing tone
 - See a contact's expanded information from the contact list
 - See a list of 1-to-1 and group chats, ordered by last activity
 - See a list of personal and domain contacts, ordered by presence
 - See a list of recent calls
 - See the group chat information with participant list (old "i" icon)

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- Show a push notification when a chat message is received
 - Show a push notification when a text message is received in a group chat
 - Visual notifications: “rejected call”, “user is busy”, “no answer”, etc...
 - [CHAT-GROUP] Create a group chat
 - [CHAT-GROUP] Emoticons (native keyboard)
 - [CHAT-GROUP] Preview sent images
 - [CHAT-GROUP] Preview sent videos
 - [CHAT-GROUP] Record a video from the camera and send
 - [CHAT-GROUP] Send and receive a audio clip
 - [CHAT-GROUP] Send and receive a text message to the group chat
 - [CHAT-GROUP] Send and receive a video clip
 - [CHAT-GROUP] Send and receive a video from camera roll
 - [CHAT-GROUP] Send and receive an image from camera roll
 - [CHAT-GROUP] Take a picture from the camera and send
 - [CHAT-SINGLE] Create 1-to-1 chat
 - [CHAT-SINGLE] Emoticons (native keyboard)
 - [CHAT-SINGLE] Preview sent images
 - [CHAT-SINGLE] Preview sent videos
 - [CHAT-SINGLE] Record a video from the camera and send
 - [CHAT-SINGLE] Send and receive a audio clip
 - [CHAT-SINGLE] Send and receive a text message
 - [CHAT-SINGLE] Send and receive a video clip
 - [CHAT-SINGLE] Send and receive a video from camera roll
 - [CHAT-SINGLE] Send and receive an image from camera roll
 - [CHAT-SINGLE] Take a picture from the camera and send
 - Deprecation of w3c-contacts-api

Collaborator Android app

- Support for “call-history” capability
- Ability to have multiple participants on a conference
- Ability to redial from the call history entries
- Add android SDK support for toggle camera - Janus
- As a user I want to be informed that a call is being recorded (fast approach)
- As a user I want to hide the thumbnails and not recover when someone join/left
- Camera switch

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- Capture and give feedback on login errors
 - Contact list usability improvements
 - Logout button
 - Make a video call from dialpad
 - Make an audio call from dialpad
 - Ringback tone
 - Ringing multiple participants
 - Search text box to filter contacts by name and surname (both together)
 - Visual notifications: “rejected call”, “user is busy”, “no answer”, etc...
 - Deprecation of w3c-contacts-api

Breaking changes

Following, changes reporting SDK and API changes required in order to support or migrate existing applications to the new release.

- invitationRequest mechanism is removed by a more natural way to invite participants.

SDK changes

SDK JS

- **conferences:** Invitation requests are now not available. Remove support for invitation requests , closes [#SIPPOJS-715]
- **conferences:** SupportService and its methods are now integrated in the Conference class
- **meetings:** Meetings implementation was completely rewritten. Main changes are:
 - A meeting is now completely readonly id and phone properties can not be changed.
 - Meeting.destroy was removed. You must use MeetingManager.remove instead.
 - Meeting.reinvite was removed. Method didn't work and now has been completely removed.
 - Meeting.toJSON was removed.
 - Meeting is not an EventEmitter and the "delete" event was removed. When a meeting is deleted it will just be removed from the list. See MeetingManager.getMeetings\$
 - MeetingManager.message was not being used and was completely removed
 - "meeting-recovered" event was removed. Use the MeetingManager.getMeetings\$ observable to know how to obtain changes in meetings list.
- **contacts:** removed the device contacts sync with the wac functionality and his caching in local storage

| Element | Action | Comment |
|-----------------------|-------------|-----------------------------|
| CContactRetriever | Deprecation | |
| CContactSynchronizer | Deprecation | |
| CFavoriteContact | Deprecation | |
| CSupportService | Deprecation | |
| VChatMessageDirection | Type change | Previous Enum now an Object |

| | | |
|-----------------------|-------------|-----------------------------|
| VChatMessageStatus | Type change | Previous Enum now an Object |
| VChatMessageType | Type change | Previous Enum now an Object |
| VChatParticipantRole | Type change | Previous Enum now an Object |
| VChatParticipantState | Type change | Previous Enum now an Object |
| VChatType | Type change | Previous Enum now an Object |

SDK iOS

- The Invitations service for managing invitation requests and all related classes as InvitationsDelegate, SipPoInvitationRequest,... are no longer available.
- The property isAnswerToInvitationRequest in SipPoConference and RxSipPoConference has been removed.
- Invite method does not have a replyOf parameter any more.
- The property inviteRequest in SipPoInvitationInfo and InvitationInfo has been also removed.
- The method to fetch de conference entries in Conferences does not receive a "since" parameter any more. Now, a time range can be specified using the parameters "before" and "after". Besides that, it can also be specified whether the entries have to be obtained in ascending or descending order of their creation date.
- SipPoParticipantInfo and SipPoCandidateInfo do not have a property "user" any more. Instead, a new property "participant" has been added that includes all the information about the participant or the candidate.

SDK Android

- no breaking changes

SDK C++

- no breaking changes

WAC API changes

- /pushNotifications/{userId}: replaced by /pushNotifications/byUserId/{userId}:
- /xmpp/roster/{username}: replaced by full subset:
 - /xmpp/push
 - /xmpp/push/register
 - /xmpp/push/unregister

Fixes

- (Android) La aplicación tarda 5 segundos en desplegar la pantalla de ringing
- Conference chat no funciona
- (mobiles) Los thumbnails en los dispositivos móviles no funcionan
- iOS no pide permisos para descargar attachments.
- Los botones de micro y cámara pierden el estilo cuando están desactivados
- [App] No se activa un stream al hacer click en el thumbnail
- Janus wrapper doesn't use the participantsLimit value
- When opening a chat from contacts, the chat does not open automatically
- While calling to a meeting as anonymous the cam is always active
- It is possible to create an empty domain
- Al crear un contacto, el campo favorite se guarda como null
- (iOS) Aparece "Desconocido" en el displayName del CallKit
- sippo-server refuses to start with agentassigner enabled and no (legacy) agents defined
- (WEB) Los Idiomas aparecen de color gris en el selector
- Los contactos no se pueden eliminar de Favoritos
- Unable to access any meeting room
- Caller remains "connecting" when a call is established through iOS callkit (hybrid app)
- [Mobile] [Desktop] No se carga el fichero de los iconos
- Las pushes de los chats de grupo no funcionan
- Cuando se borra un chat desde su vista de información esta no desaparece
- Al crear un usuario introduciendo un caracter especial en el número de teléfono genera un error
- Contacts with email displayed in autocomplete component does not contain property email
- Al crear un meeting añadiendo usuarios que está en contactos, pero no es de dominio no envía mail.
- Desktop app | Los chats no funcionan en la aplicación de escritorio
- Desktop app | La aplicación de escritorio en modo release no funciona
- Android nativa | En una videollamada, si el callee desactiva la cámara no se puede recuperar el stream de video si activa de nuevo
- iOS Nativa | Cuando un tercer participante acepta una invitación a una llamada se visualiza un thumbnail doble
- iOS Nativa | Está permitido crear un grupo de chat sin participantes

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- iOS Nativa | La barra de búsqueda ignora el texto escrito una vez se selecciona un participante
 - The email of the creator of the meeting is sent empty because the information of the user's session in erebus is not updated
 - Desktop app MacOS | Despues de maximizar la app al cerrar queda en negro
 - Meeting cannot be modified once created
 - Created contacts can not be erased
 - Adding an email when creating a contact shows [object Object] instead
 - It is not required to press "Save" to confirm a status change in the profile
 - The SMS backend does not start
 - Android Nativa | La aplicación se cierra automaticamente cuando se intenta establecer una llamada con PSTN
 - iOS Nativa | Al iniciar sesión por ADFS (utilizando iOS 13.4 & 13.7) el usuario inicia sesión en un webview dentro de la aplicación
 - (MultiDevice) The call ends when closing session in second device
 - Android nativa | Cuando se recibe una llamada suena como si se estuvieran recibiendo notificaciones sin parar
 - iOS Nativa | No funcionan las pushes de llamada
 - (iOS) The "go" key does not add the participant to the meeting
 - The creator of the meeting doesn't receive the email
 - Unable to copy / paste in Mac version
 - Linux app crashes when user closes ADFS popup
 - Hybrid Android | Se recibe push de llamada despue de desloguear de la app
 - Inviting a group with offline members returns an error
 - Al llamar a más de un usuario, si el primer invite va dirigido a usuario que no está conectado llega un room-destroyed
 - iOS Nativa | No se muestra en el perfil el avatar por defecto (no personalizado)
 - Se muestran varias líneas en blanco en el webphone del mismo usuario que envía mensajes desde UCClient
 - iOS Nativa | Cuando crear un nuevo grupo de chat la aplicación se cierra automáticamente
 - (Mobile Hybrid) The favorites button is marked gray when you have the focus on it

Known issues

Reported as major defects for this release:

- [DESK-MacOS] The app has white background when the adfs window is open and maximized
- [SAFARI][FIREFOX] DatePicker and TimePicker don't appear in meetings
- [SAFARI] There are several types of files that cannot be sent
- [SAFARI][FIREFOX][CHROME][EDGE] The number of chat notifications appears out of place
- [DESK-MacOS] Screen sharing starts before accepting permissions
- [DESK-MacOS] App does not work if I suspend my laptop for a while
- [SAFARI] Screen sharing button does not appear
- [SAFARI][FIREFOX][CHROME][EDGE] When calling as an anonymous user, canceling still establishes the call.

Component list

Inventory list for 4.2 bundle.

Quobis WAC

| | |
|--------------------|----------------------------|
| sippo-server | 21.1.3 |
| qss | 4.12.2 |
| oauth2-proxy | 1.15.0 |
| xmpp-server | 2.2.0 |
| erebus | 1.5.2 |
| janus-dispatcher | 1.4.0 |
| janus-wrapper | 1.15.2 |
| recording-watchdog | 3.2.1 |
| sippo-maintainer | 1.2.6-rc1-kubernetes1.15.3 |
| sippo-exporter | 1.5.7 |
| sippo-k8s | 2.13.0-rc3 |
| kapi | 1.4.0-rc2 |

Quobis SDK

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|-------------|--------|
| SDK JS | 28.2.1 |
| SDK Android | |
| SDK iOS | 3.0.0 |
| SDK cpp | 0.1.0 |

Quobis Collaborator

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|----------------------|-------------|
| collaborator web | 5.16.2 |
| collaborator iOS | 0.29.4 |
| collaborator Android | |
| manager | 2.0.0 |
| click2call | 0.9.0-dev.1 |

Third party dependencies

| | |
|----------------|----------------|
| NodeJS runtime | 8.0 |
| message-broker | 3.7-management |
| database | 4.2 |

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|---------------------|------------|
| reverse-proxy | 1.18.0 |
| cluster-ingress | 0.30.0 |
| chat-database | 12-alphine |
| audiomixer | 16.7.0 |
| sfu | 0.9.2 |
| sip-proxy | 5.2.0 |
| sip-proxy-db | 5.7 |
| turn-server | 4.5.1.1 |
| monitoring-ui | 6.4.3 |
| log-database | 1.4.0 |
| monitoring-database | v2.13.0 |