

## Why an integration review?

The below list comes from the experience of VERIDAS helping customers with multiple and diverse integration processes; it summarizes general recommendations/improvements, mandatory checks and several weak points an integration may have, so we strongly suggest paying special attention to them before moving forward as not doing so might cause issues in production.

Please note that this might not cover every aspect in your integration, it's continuously reviewed with each new integration process and the feedback our customers provide. Please, send this document filled back to VERIDAS to help in a joint review meeting. Also, feel free to let us know your experience with this checklist.

VERIDAS cannot deliver the production credentials to our customers without the approval of this checklist.

VERIDAS will not, at any event, be responsible for the interpretation of the results arising from the pentest performed by the CLIENT, the CLIENT retains the final decision on the evaluation of the risks evidenced in order to decide if they can be assumed. However, and taking into consideration the risks evidenced by an eventual vulnerability, VERIDAS may demand its correction within a maximum period and, if it is not corrected, it may imply the suspension of the services for security reasons.

In any case, VERIDAS discourages the entrance into production of systems which do not guarantee the information security and the protection of personal data.

Context	
Date of review	dd month yyyy
Customer	Name of the company
Integrator(s)	Name of the company integrating the solution (if any)
End customer	Name of the company (if any)
Use case	i.e. voice reconting in contact center, voice recognition in chatbot...
Applicable regulations	if any
SDK version	i.e. Android Voice v5.0.0
End user platform	i.e. chat bot, callcenter...

Participants	
Veridas	CS representative name Sales representative name

Customer	Name, company
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Summary

M	Mandatory
R	Recommended

Example evidences
screenshot, video recording, cloud/product logs, email from customer or just a comment

Checklist								
Type	Category	#	Subject	Platform	Check	R/M	Answer	Reason
Registration	Customer application	1	User authentication/identification	ALL	During the process, the end user is requested a personal identification number that will be linked to his/her biometric credential	M	YES/NO	
Registration	Customer application	2	User authentication/identification	ALL	Before starting the process, an end user anonymous id is generated.	R	YES/NO	
Registration	Customer application	3	Security measures	ALL	Measures to avoid automated attacks exists (captchas, tokenized URLs, authenticated session, contact validation (point 2))	R	YES/NO	
Registration	Customer application	4	Security measures	ALL	There is an authentication between the front side application and the middleware (recommended not to be a fix secret).	R	YES/NO	
Registration	Customer application	5	Security measures	ALL	The credentials to connect with VeriSaas are stored in the back (middleware), not in the front side application.	R	YES/NO	
Registration	Customer application	6	Voice duration	ALL	The user is requested with a sentence long enough to have at least 5 seconds of voice, in order to generate the credential successfully.	M	YES/NO	
Registration	Customer application	7	Non happy path processes	ALL	There is a limited number of attempts in case of registration errors.	R	YES/NO	
Registration	Customer application	8	Non happy path processes	ALL	If VeriSaas returns an 5xx error, the middleware is retrying again after a few seconds.	R	YES/NO	
Registration	SDKs	9	Latest versions of SDKs. (if applicable)	ALL	In order to have the best user experience, best capture process and latest security fixes, the latest versions of the SDKs are being used.	R	YES/NO	
Registration	Back & API	10	Right model (if credential is used)	ALL	If credential is used, the model is provided. (no deprecated endpoint is used)	R	YES/NO	
Registration	Back & API	11	Use contextual data (tag)	ALL	The tag parameter is being used to send relevant additional information required for billing, statistical or troubleshooting purposes.	R	YES/NO	
Registration	Back & API	12	Use of authenticity detection header	ALL	The X-Check-Authenticity header is sent in order to verify the authenticity of the audio in the registration process (this will help detect pre-recorder audios)	R	YES/NO	
Registration	Back & API	12	Unnecessary API calls	ALL	No duplicate or unnecessary calls are being requested to Veridas API	R	YES/NO	
Registration	Back & API	13	User's voice and credential storing	ALL	When the process ends successfully, the database is updated with the WAV file and also the credential.	R	YES/NO	
Registration	Back & API	14	User credential regeneration	ALL	When a model is deprecated, there is a process in place to regenerate the credentials with a newer model.	R	YES/NO	
Registration	Back & API	15	Time out error (Error 499)	ALL	The timeout setup is higher than the 60 secs timeout of Veridas API.	R	YES/NO	
Registration	Back & API	16	Technical requirements	ALL	Audio technical requirements are according to <a href="#">documentation</a>	M	YES/NO	
Registration	Business	17	Business rules to accept or reject	ALL	Describe which are the business rules you have set in order to accept/regent a registration (scores and <a href="#">thresholds</a> )	R		
Authentication	Customer application	1	User authentication	ALL	Before starting the process, the end user is identified in order to perform the authentication against the registered credential.	M	YES/NO	
Authentication	Customer application	2	User identification	ALL	Before starting the process, an end user anonymous id is generated.	R	YES/NO	
Authentication	Customer application	3	Security measures	ALL	There is an authentication between the front side application and the middleware (recommended not to be a fix secret).	R	YES/NO	
Authentication	Customer application	4	Security measures	ALL	The credentials to connect with VeriSaas are stored in the back (middleware), not in the front side application.	R	YES/NO	
Authentication	Customer application	5	Non happy path processes	ALL	There is a limited number of attempts in case of authentication failures per user.	R	YES/NO	
Authentication	Customer application	6	Non happy path processes	ALL	If VeriSaas returns an 5xx error, the middleware contemplates this scenario and ther exist a workflow for the case (like retrying again after a few seconds).	R	YES/NO	
Authentication	Customer application	7	Non happy path processes	ALL	There is an alternative authentication factor in case biometry fails or provides low scores after the limited number of attempts.	R	YES/NO	
Authentication	Customer application	8	Audio duration	ALL	The user is requested with a sentence long enough to have at least 3 seconds of voice, in order to perform the authentications against the registration credential	M	YES/NO	
Authentication	SDKs	9	Latest versions of SDKs. (if applicable)	ALL	In order to have the best user experience, best capture process and latest security fixes, the latest versions of the SDKs are being used (check our SDK <a href="#">documentation</a> ).	R	YES/NO	
Authentication	Back & API	10	Use contextual data (tag)	ALL	The tag parameter is being used to send relevant additional information required for billing, statistical or troubleshooting purposes.	R	YES/NO	
Authentication	Back & API	11	Use of authenticity detection header	ALL	The X-Check-Authenticity header is sent in order to verify the authenticity of the new audio that user has been requested in the authentication process (this will help detect pre-recorder audios)	R	YES/NO	
Authentication	Back & API	11	Unnecessary API calls	ALL	No duplicate or unnecessary calls are being requested to Veridas API	R	YES/NO	
Authentication	Back & API	12	Time out error (Error 499)	ALL	The timeout setup is higher than the 60 secs timeout of Veridas API.	R	YES/NO	
Authentication	Business	13	Business rules to accept or reject	ALL	Describe which are the business rules you have set in order to accept/reject (list scores and <a href="#">thresholds</a> )	R	YES/NO	

Comments
To be filled by Customer