Class Name VoiceIt

Method name WriteCallback

Return type size\_t

Input argument(s) char \*contents, size\_t size, size\_t nmemb, void \*userp

Output argument(s) None

Error messages None

Files accessed None

Files changed None

Methods invoked readBuffer

Narrative

Method name read\_callback

Return type size\_t

Input argument(s) void \*ptr, size\_t size, size\_t nmemb, void \*userp

Output argument(s) None

Error messages None

Files accessed None

Files changed None

Methods invoked WriteThis, writeBuffer

Narrative

Method name getUser

Return type string

Input argument(s) string email, string password

Output argument(s) None

Error messages fprintf(stderr, "curl\_easy\_perform() failed: %s\n", curl\_easy\_strerror(res));

Files accessed None

Files changed None

Methods invoked readBuffer, CURL, CURLcode, curl\_easy\_strerror, curl\_easy\_perform, curl\_slist\_free\_all, curl\_easy\_cleanup, curl\_easy\_init, clear

Narrative

This REST API call is used to retrieve an existing user profile within the Voiceprint Developer Portal (VPDP) service. It retrieves an existing user profile record from the VPDP service database and returns true or false.

Method name setUser

Return type string

Input argument(s) string email,string password,string firstName,string lastName

Output argument(s) None

Error messages fprintf(stderr, "curl\_easy\_perform() failed: %s\n", curl\_easy\_strerror(res));

Files accessed None

Files changed None

Methods invoked readBuffer, CURL, CURLcode, curl\_easy\_strerror, curl\_easy\_perform, curl\_slist\_free\_all, curl\_global\_init, curl\_easy\_init, curl\_easy\_setopt, curl\_easy\_cleanup

Narrative

This REST API call is used to update an existing user profile within the Voiceprint Developer Portal (VPDP) service. It updates an existing user profile record within the VPDP service database and returns true or false.

Method name createUser

Return type string

Input argument(s) string email,string password,string firstName,string lastName, string phone1, string phone2, string phone3

Output argument(s) None

Error messages fprintf(stderr, "curl\_easy\_perform() failed: %s\n", curl\_easy\_strerror(res));

Files accessed None

Files changed None

Methods invoked CURL, CURLcode, curl\_easy\_strerror, curl\_easy\_perform, curl\_slist\_free\_all, curl\_global\_init, curl\_easy\_init, curl\_easy\_setopt, curl\_easy\_cleanup, readBuffer

Narrative:

Registers a new user profile within the Voiceprint Developer Portal (VPDP) service. Creates a new user profile record in the VPDP service database and returns true or false. Newly registered user profiles are enabled by default. Your DeveloperID is in the Welcome email you received when you registered.

Method name createUser

Return type string

Input argument(s) string email,string password,string firstName,string lastName

Output argument(s) email, password, firstName, lastName, "","",""

Error messages None

Files accessed None

Files changed None

Methods invoked createUser

Narrative

Registers a new user profile within the Voiceprint Developer Portal (VPDP) service. Creates a new user profile record in the VPDP service database and returns true or false. Newly registered user profiles are enabled by default. Your DeveloperID is in the Welcome email you received when you registered.

Method name deleteUser

Return type string

Input argument(s) string email,string password

Output argument(s) None

Error messages fprintf(stderr, "curl\_easy\_perform() failed: %s\n", curl\_easy\_strerror(res));

Files accessed None

Files changed None

Methods invoked curl\_easy\_strerror, curl\_easy\_perform, curl\_slist\_free\_all, curl\_global\_init, curl\_easy\_init, curl\_easy\_setopt, curl\_easy\_cleanup, readBuffer clear

Narrative

This REST API call is used to delete an existing user profile within the Voiceprint Developer Portal (VPDP) service. Deletes an existing user profile record from the VPDP service database and returns true or false.

Method name createEnrollment

Return type string

Input argument(s) string email,string passwrd, string pathToEnrollmentWav, string contentLanguage

Output argument(s) None

Error messages None

Files accessed fd

Files changed fd

Methods invoked clear, curl\_easy\_init, curl\_slist\_append, curl\_easy\_setopt, curl\_easy\_perform, curl\_slist\_free\_all, c\_str, curl\_easy\_cleanup, sha256, fopen, fstat, fileno

Narrative

This REST API call is used to create a new enrollment template for the specified user profile within the Voiceprint Developer Portal (VPDP) service. It creates a new enrollment template for the specified user profile in the VPDP service database and returns true or false. We recommend a minimum of three (3) enrollment templates per Voiceprint Phrase (VPP). Please Note: The Voiceprint Phrase's (VPP's) are Text-Dependent. The Minimum length of a VPP is 1.2 second. **Please note: You cannot use enrollment sound file for authentication. This is because of our anti- spoofing technology.** To manage the VPPs associated with your DeveloperID, please login to the [developer portal](https://siv.voiceprintportal.com/developerlogin.jsp)and navigate to Voiceprint Phrases section. Please note: You can use DetectedVoiceprintText and DetectedTextConfidence to help decide which enrollmentID to keep or throw out and have the user record again based on text detected and its confidence.

Method name createEnrollment

Return type string

Input argument(s) string email,string passwrd, string pathToEnrollmentWav

Output argument(s) email,passwrd, pathToEnrollmentWav, ""

Error messages None

Files accessed fd

Files changed fd

Methods invoked createEnrollment

Narrative

This REST API call is used to create a new enrollment template for the specified user profile within the Voiceprint Developer Portal (VPDP) service. It creates a new enrollment template for the specified user profile in the VPDP service database and returns true or false. We recommend a minimum of three (3) enrollment templates per Voiceprint Phrase (VPP). Please Note: The Voiceprint Phrase's (VPP's) are Text-Dependent. The Minimum length of a VPP is 1.2 second. **Please note: You cannot use enrollment sound file for authentication. This is because of our anti- spoofing technology.** To manage the VPPs associated with your DeveloperID, please login to the [developer portal](https://siv.voiceprintportal.com/developerlogin.jsp)and navigate to Voiceprint Phrases section. Please note: You can use DetectedVoiceprintText and DetectedTextConfidence to help decide which enrollmentID to keep or throw out and have the user record again based on text detected and its confidence.

Method name createEnrollmentByWavURL

Return type string

Input argument(s) string email,string passwrd, string urlToEnrollmentWav, string contentLanguage

Output argument(s) None

Error messages None

Files accessed None

Files changed None

Methods invoked CURL, CURLcode, clear, curl\_easy\_init, curl\_slist\_append, curl\_easy\_setopt, curl\_easy\_perform, curl\_slist\_free\_all, curl\_easy\_cleanup

Narrative

This REST API call is used to create a new enrollment template for the specified user profile within the Voiceprint Developer Portal (VPDP) service via a pre-recorded sound file. It creates a new enrollment template for the specified user profile in the VPDP service database and returns true or false. We recommend a minimum of three (3) enrollment templates per Voiceprint Phrase (VPP). Please Note: The Voiceprint Phrase's (VPP's) are Text-Dependent. The Minimum length of a VPP is 1.2 second. **Please note: You cannot use enrollment sound file for authentication. This is because of our anti- spoofing technology.** To manage the VPPs associated with your DeveloperID, please login to the [developer portal](https://siv.voiceprintportal.com/developerlogin.jsp) and navigate to Voiceprint Phrases section. Please note: You can use DetectedVoiceprintText and DetectedTextConfidence to help decide which enrollmentID to keep or throw out and have the user record again based on text detected and its confidence.

Method name createEnrollmentByWavURL

Return type string

Input argument(s) string email,string passwrd, string urlToEnrollmentWav

Output argument(s) email,passwrd, urlToEnrollmentWav, ""

Error messages None

Files accessed None

Files changed None

Methods invoked createEnrollmentByWavURL

Narrative

This REST API call is used to create a new enrollment template for the specified user profile within the Voiceprint Developer Portal (VPDP) service via a pre-recorded sound file. It creates a new enrollment template for the specified user profile in the VPDP service database and returns true or false. We recommend a minimum of three (3) enrollment templates per Voiceprint Phrase (VPP). Please Note: The Voiceprint Phrase's (VPP's) are Text-Dependent. The Minimum length of a VPP is 1.2 second. **Please note: You cannot use enrollment sound file for authentication. This is because of our anti- spoofing technology.** To manage the VPPs associated with your DeveloperID, please login to the [developer portal](https://siv.voiceprintportal.com/developerlogin.jsp) and navigate to Voiceprint Phrases section. Please note: You can use DetectedVoiceprintText and DetectedTextConfidence to help decide which enrollmentID to keep or throw out and have the user record again based on text detected and its confidence.

Method name getEnrollments

Return type string

Input argument(s) string email,string password

Output argument(s) None

Error messages fprintf(stderr, "curl\_easy\_perform() failed: %s\n", curl\_easy\_strerror(res));

Files accessed None

Files changed None

Methods invoked clear, curl\_easy\_init, curl\_slist\_append, curl\_easy\_setopt, curl\_easy\_perform, curl\_slist\_free\_all, c\_str

Narrative

This REST API call is used to retrieve the existing enrollment template(s) for the specified user profile within the Voiceprint Developer Portal (VPDP) service. It retrieves the existing enrollment template(s) for the specified user profile from the VPDP service database and returns true or false.

Method name deleteEnrollment

Return type string

Input argument(s) string email,string password,string enrollmentId

Output argument(s) None

Error messages None

Files accessed None

Files changed None

Methods invoked clear, curl\_easy\_init, curl\_slist\_append, curl\_easy\_setopt, curl\_easy\_perform, curl\_slist\_free\_all, c\_str

Narrative

This REST API call is used to delete an existing enrollment template for the specified user profile within the Voiceprint Developer Portal (VPDP) service. It deletes an existing enrollment template for the specified user profile from the VPDP service database and returns true or false.

Method name authentication

Return type string

Input argument(s) string email,string passwrd, string pathToAuthenticationWav, string confidence, string contentLanguage

Output argument(s) None

Error messages None

Files accessed None

Files changed None

Methods invoked clear, curl\_easy\_init, curl\_slist\_append, curl\_easy\_setopt, curl\_easy\_perform, curl\_slist\_free\_all, c\_str, curl\_easy\_cleanup, sha256, fopen, fstat, fileno

Narrative

This REST API call is used to authenticate the specified user profile within the Voiceprint Developer Portal (VPDP) service. It authenticates the specified user profile in the VPDP service database and returns success or failure. Please Note: The Voiceprint Phrase's (VPP's) are Text-Dependent. The Minimum length of a VPP is 1.5 second. **Please note: You cannot use enrollment sound file for authentication. This is because of our anti- spoofing technology.** To manage the VPPs associated with your DeveloperID, please login to the [developer portal](https://siv.voiceprintportal.com/developerlogin.jsp)and navigate to Voiceprint Phrases section. We recommend starting with 85% for the confidence parameter during testing. After becoming familiar with the API, you can tweak the confidence parameter (with a maximum around 91) in order to decrease false positives. Please note: You can use DetectedVoiceprintText and DetectedTextConfidence to help decide which authentication to keep or throw out and have the user record again based on speech text detected and its confidence.

Method name authentication

Return type string

Input argument(s) string email,string passwrd, string pathToAuthenticationWav, string confidence

Output argument(s) email,passwrd,pathToAuthenticationWav,confidence,""

Error messages None

Files accessed None

Files changed None

Methods invoked authentication

Narrative

This REST API call is used to authenticate the specified user profile within the Voiceprint Developer Portal (VPDP) service. It authenticates the specified user profile in the VPDP service database and returns success or failure. Please Note: The Voiceprint Phrase's (VPP's) are Text-Dependent. The Minimum length of a VPP is 1.5 second. **Please note: You cannot use enrollment sound file for authentication. This is because of our anti- spoofing technology.** To manage the VPPs associated with your DeveloperID, please login to the [developer portal](https://siv.voiceprintportal.com/developerlogin.jsp)and navigate to Voiceprint Phrases section. We recommend starting with 85% for the confidence parameter during testing. After becoming familiar with the API, you can tweak the confidence parameter (with a maximum around 91) in order to decrease false positives. Please note: You can use DetectedVoiceprintText and DetectedTextConfidence to help decide which authentication to keep or throw out and have the user record again based on speech text detected and its confidence.

Method name authenticationByWavURL

Return type string

Input argument(s) string email,string passwrd, string urlToAuthenticationWav, string confidence, string contentLanguage

Output argument(s) None

Error messages None

Files accessed None

Files changed None

Methods invoked clear, curl\_easy\_init, curl\_slist\_append, curl\_easy\_setopt, curl\_easy\_perform, curl\_slist\_free\_all, c\_str, curl\_easy\_cleanup, sha256

Narrative

This REST API call is used to authenticate the specified user profile within the Voiceprint Developer Portal (VPDP) service via a pre-recorded sound file. It authenticates the specified user profile in the VPDP service database and returns success or failure. Please Note: The Voiceprint Phrase's (VPP's) are Text-Dependent. The Minimum length of a VPP is 1.2 second. **Please note: You cannot use enrollment sound file for authentication. This is because of our anti- spoofing technology.** To manage the VPPs associated with your DeveloperID, please login to the [developer portal](https://siv.voiceprintportal.com/developerlogin.jsp)and navigate to Voiceprint Phrases section. We recommend starting with 85% for the confidence parameter during testing. After becoming familiar with the API, you can tweak the confidence parameter(with a maximum around 91) in order to decrease false positives. Please note: You can use DetectedVoiceprintText and DetectedTextConfidence to help decide which authentication to keep or throw out and have the user record again based on speech text detected and its confidence.

Method name authenticationByWavURL

Return type string

Input argument(s) string email,string passwrd, string urlToAuthenticationWav, string confidence

Output argument(s) email,passwrd,urlToAuthenticationWav,confidence,""

Error messages None

Files accessed None

Files changed None

Methods invoked authenticationByWavURL

Narrative

This REST API call is used to authenticate the specified user profile within the Voiceprint Developer Portal (VPDP) service via a pre-recorded sound file. It authenticates the specified user profile in the VPDP service database and returns success or failure. Please Note: The Voiceprint Phrase's (VPP's) are Text-Dependent. The Minimum length of a VPP is 1.2 second. **Please note: You cannot use enrollment sound file for authentication. This is because of our anti- spoofing technology.** To manage the VPPs associated with your DeveloperID, please login to the [developer portal](https://siv.voiceprintportal.com/developerlogin.jsp)and navigate to Voiceprint Phrases section. We recommend starting with 85% for the confidence parameter during testing. After becoming familiar with the API, you can tweak the confidence parameter(with a maximum around 91) in order to decrease false positives. Please note: You can use DetectedVoiceprintText and DetectedTextConfidence to help decide which authentication to keep or throw out and have the user record again based on speech text detected and its confidence.