

A decorative background element consisting of a series of vertical bars of varying heights, creating a waveform effect. The bars are colored in a gradient from light blue on the left to purple on the right. A solid black horizontal line runs across the middle of the page, passing through the center of the waveform.

V-Spark Release Notes

Version 3.4.3

June 2020

Abstract

This document is an archive of release notes for V-Spark, and details the features and capabilities that have been introduced in each version of the product.

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V-Spark 3.4.3

The next few sections provide release notes for V-Spark 3.4.3, describing updates and improvements that were introduced in this version of the product. This document also provides information about [“Known Issues in 3.4.3” \[9\]](#) that could affect your use and/or upgrade of the product. You may need to make changes after an upgrade to retain existing behavior, or plan your upgrade process in order to prepare appropriately.

V-Spark 3.4.3 Release Notes

V-Spark Version 3.4.3 provides improvements in a number of areas including analysis metrics, API usage, metadata handling, search, and general system operation.

Daily statistics are now generated in scheduled batches. This replaces the old behavior of generating statistics one file at a time.

The database queries that are used during the calculation of Application summaries have been optimized to be more computationally efficient.

1. **Improved Diarization Scores** - Diarization now uses a new scoring algorithm that better represents how well mono audio was split into two speaker channels. Scoring used to be in relation to previously uploaded transcripts, but is now independent of transcript history.
2. **Better File Revision Tracking** - The system now allows more than one transcript to have the same filename and received date. Duplicated transcripts used to be given a different timestamp to differentiate them from previously uploaded transcripts. Duplicates are now differentiated by transcript ID (tID).
3. **Improved Loading of System Configuration** - System configuration is now stored in a directory of multiple files instead of a single file. Configuration files in the `vspark.config.d` directory are read in alphabetical order at server startup. Legacy configuration files are still read, but the files in `vspark.config.d` always take precedence.
4. **"Last Generated" Time Display** - Statistics are now shown with the time they were last generated. The display may lag behind actual statistics, as the analysis only runs every five minutes, (This interval is configurable.)
5. **New /sysinfo API** - The REST API now has a `/sysinfo` call that returns system information.
6. **Improved /config/users API** - New user accounts created using the `/config/users` API can now be configured to use external authorization methods. Note that existing users cannot be reconfigured in this way.
7. **Additional Fields Supported in Search API** - The Search API feature allows four additional output fields: "tags", "folder", "url", and "es_doc_id" (Elasticsearch document ID).

8. **Search Results Now Display Custom Metadata** - When doing a search for custom metadata, the values of the custom metadata field being searched are displayed in the search results. It is no longer necessary to click through to the file details to see how results match the custom search criteria.
9. **Custom Metadata Now Appear in Filter Dropdown** - If your Application is linked to a folder with custom metadata fields, those fields now appear directly in the "Filter" drop-down menu instead of a separate "Custom Metadata" menu. This makes metadata fields easier to find and faster to utilize.
10. **Unicode Support in Metadata** - When uploading audio files with metadata, fields in the metadata may now contain any valid Unicode values, except for reserved characters Colon (":", Unicode 003A) and Equals Sign ("=", Unicode 003D).
11. **Improved Login with External Authorization Methods** - Improved linking for systems that have external authorization enabled. Contact <support@vocitec.com> if you are interested in this capability.
12. **Logging of Unsuccessful Login Attempts** - For security purposes, the activity log now tracks all unsuccessful login attempts along with the reason the attempt failed, such as incorrect password or username, unverified user account, user account disabled, or unmapped user account.
13. **Improved View of User Permissions** - In the Company table of the Accounts Settings page, there is now a "Permissions" column that contains a "View users" link. Follow this link to view a list of all users who have permissions that apply to this company and its organizations. Permissions are displayed in a dialog that shows all V-Spark users with permissions, whether those permissions are explicit to the company you chose, or implicit in the permissions those users have in the system. If a user's permissions in one company or organization are based on the permissions they hold in another company, the name of that other company is displayed in parentheses next to their username. By default, permissions for the entire company are displayed. To show permissions for a specific organization within the company, choose the name of the organization from the drop-down menu above the list.
14. **Notification of Usage Limits** - The system generates a system notification when a company nears their usage limit, and another if the usage limit is reached. The warning level is configurable, and defaults to 80%. These notifications are visible to system administrators and to users with write access to the affected company. Notifications are dismissible within V-Spark, and will only display once per day. These notifications are also sent via email to system administrators and company administrators, and recorded in the activity log.
15. **Folder processing can now be paused via the API** - Using the `/config/folders` API, you can now pause the processing of a Folder by POSTing a JSON configuration file for the Folder that has the `mode` property of the Folder set to the value `paused`. Resume processing by POSTing JSON for the Folder that has the `mode` property set to `active`.

Fixes in V-Spark 3.4.3

This section identifies specific issues that have been resolved in the 3.4.3 release of V-Spark:

1. **Deletion Jobs Now Span System Restarts** - If the system is shut down or restarted while a deletion job was executing, the job was not being completed. Incomplete deletion jobs, whether user-initiated or automatic, are now re-queued for execution when the system starts.

2. **Improved Handling of Application Scoring Failures** - Previously, uploaded files that failed scoring would be moved to the error directory, even if other analysis succeeded. These files will no longer be moved to the error directory. Scoring failures are now recorded in the activity log and backend logs, showing which file failed scoring, and that none of the Applications that use that file will have scores for that file.
3. **Transcript Processing is Now Atomic** - If an Elasticsearch or MySQL failure is encountered during transcript loading, all related updates are rolled back cleanly to preserve data integrity.
4. **System Mode Changes are Now Logged** - System Mode changes between "normal", "safe", and "readonly" were not being logged, which made diagnosing trouble more difficult. The system now logs when mode changes occur, and (depending on warning level) sends email to system administrators.
5. **Trending Phrases No Longer Reported** - Trending phrases were being included in daily and monthly reports, even if Trending was disabled. This has been corrected.
6. **Appstats Now Returns Categories with Scores of Zero** - The `/appstats` API was not returning any categories if the top category score was zero, even if the depth level was defined to return categories with scores of zero. This defect was corrected, and categories are now returned properly.
7. The `/transcribe` API was not processing audio files if they were uploaded from Amazon's Simple Storage Service (S3). The system was returning an empty reply. This defect has been corrected, and the system now returns a transcript as expected.
8. **Files with Empty Utterances Now Update Properly** - Uploaded files that result in an empty Utterances field were ignored during application reprocessing. This issue has been resolved and these files are now updated correctly.
9. **Config Now Returns Correct Template Value** - The `/config/CO_SHORT/ORG_SHORT/apps/APPNAME` API was not returning the correct template value for Applications that were created from templates. It was returning the "template" value of "custom" even for Applications that were created from templates. This issue has been resolved, and the system now returns the correct template value.

Maintenance Fixes Since the Initial 3.4.3 Release

This section identifies fixes that were introduced in patch releases and hot fixes since the initial 3.4.3 release, and are therefore now included in the latest version of the 3.4.3 release. Maintenance versions and associated fixes are listed most recent to earliest:

1. **Google Chrome 83 Support Update** - Chrome 83 now blocks all downloads initiated from or instantiated in a sandboxed iframe by default. This update enables V-Spark to override that default behavior and allow file downloads. **(3.4.3-13)**
2. **Improved handling of email communication** - Email notifications were updated to list email recipients in the BCC field of the message. Also, the TO field is now set to the application's global address. **(3.4.3-12)**

3. **Improved support to AWS S3 downloads** - Improved download retry logic to account for possible issues during network transport. (3.4.3-11)
4. **Run V-Spark on a Single Core** - Enabled V-Spark to run on a machine with a single core on its single CPU. (3.4.3-10)
5. **Eliminate Temporary File Leaks** - Improved cleanup of temporary files. (3.4.3-10)
6. **Fix Application Reprocessing Failure** - Improved mysql retry logic to reduce application processing errors. (3.4.3-10)
7. **Audio Duration Update** - Improved how a file's audio duration is determined. (3.4.3-10)
8. **S3 Update** - V-Spark now fully supports signed S3 bucket requests for all AWS regions by adding support for the AWS Signature Version 4 Signing Process. Previously only Version 2 was supported. (3.4.3-10)
9. **Partial Content Requests** - Some browsers, such as Google Chrome, specify a desired content range for cases such as fetching a piece of an audio file to play/seek in its embedded audio/video player. V-Spark now honors partial content requests on the part of a browser by responding with 206 HTTP code and the piece of audio that was requested. (3.4.3-10)
10. **Elasticsearch connection management** - Connections to Elasticsearch clients are now managed more effectively to prevent connection errors. (3.4.3-9)
11. **Folder ASR options** - Expanded support for folder ASR options to allow adding values with multiple elements via the `/config/folders` API and GUI. Previously, both methods only supported simple ASR options with string, boolean, or numeric values. Boolean ASR option values must now be formatted properly for them to be correctly recognized. The Boolean values `true` and `false` must be entered in all lower case with no quotation marks. Values containing capital letters or contained within quotes (such as `True` or `"false"`) are interpreted as string values, and *not* as Booleans. (3.4.3-8)
12. **Request API Content-type** - The `/request` API `status` and `details` calls were returning output with the incorrect content-type value. The content-type has been restored to `"application/json"`. (3.4.3-8)
13. **Cloud Tokens Checked Properly on Company Update** - Updating a company that uses cloud tokens was pausing all of the company's folders due to a token check that was not matching the tokens to the folder servers properly. Tokens are now checked properly, enabling companies to update without their folders being paused. (3.4.3-7)
14. **Emotion Word Highlighting** - Turning off "emotion" view on file details page will mitigate a known issue where phrase matches that overlap words marked with emotion are not highlighted. Now, opening a file details page from the application dashboard will turn off emotion by default, to improve the display of application phrase matches. (3.4.3-7)

Announcements with 3.4.3

V-Spark 3.4.3 does not add any new announcements of upcoming changes and deprecation. Please see [Announcements with 3.4.2 \[14\]](#) for announcements made with the 3.4.2 release.

Known Issues in 3.4.3

1. Partial configuration updates for a company, organization, folder, application, or user using the REST API are not currently supported. Attempting to update a subset of a company or organization using the REST API currently returns HTTP error code 400. You must supply all fields for the configuration in order to update any field(s) using the REST API.
2. Application re-processing of more than 100,000 files in a single operation may time out.
3. Issues with Dashboard Displays
 - Files uploaded to a folder that is linked to a disabled application or that have not been re-processed will still appear in the Files View on the application dashboard
4. Issues with Search
 - Time-based search
 - Searches are turn-based and may return results for phrases that are outside of the requested time frame if those phrases are within the same speaker turn
 - Ad-hoc Search snippets in the Files View may display results outside the specified time interval
 - Exceptions to standard File Details highlighting:
 - Searches using (~n) may highlight phrases with the specified number of words in between each of the search terms, rather than between all of the search terms. For example, "get help phone ~4" may highlight phrases with 4 words between "get" and "help" and another 4 words between "help" and "phone". Searches using (~t) and (~n) will only be highlighted if the words matched appear in the order specified in the search tag.
 - Highlighting may be incomplete for matches marked with emotion
 - Highlighting may be incomplete for matches with intervening silence tags greater than 2 seconds
 - Matches for "@"* (such as when searching for email addresses) will only be highlighted until the first "." in the email address. Regular expression searches may be used to circumvent this issue.

- Excluded application search phrases may be highlighted on the File Details page. Note that these exceptions only affect highlighting, and that all search results using the above characters will still be accurate.

5. Other

- Users playing longer audio files via Firefox may encounter playback/syncing issues when jumping to different sections of the transcript. This is an external issue caused by the Firefox browser. Users who encounter this issue can simply wait for the browser to finish buffering the file before resuming their search.
- App Reprocessing will encounter an error if the reprocessing occurs while an App or Category is being deleted. This error is recorded in the server logs.
- Searches that contain both wildcards and spaces are not returning results.
- Most punctuation characters are not supported in search strings.
- The `/search` API allows searches for application categories that have hyphens and other restricted characters in their names, however these searches fail. Voci application templates that had hyphens and other restricted characters in their names have been modified to remove the restricted characters. All existing application category names should be modified to remove restricted characters.
- If the server is restarted while files are waiting in the Callback queue, those files will not be delivered and the callback will not complete. Allow Callback delivery to complete before restarting the server.

V-Spark 3.4.2

The next few sections provide release notes for V-Spark 3.4.2, describing updates and improvements that were introduced in this version of the product. This document also provides information about “[Known Issues in 3.4.2](#)” [14] that could affect your use and/or upgrade of the product. You may need to make changes after an upgrade to retain existing behavior or plan your upgrade process in order to prepare appropriately.

V-Spark 3.4.2 Release Notes

V-Spark Version 3.4.2 focuses on internal improvements in performance and stability, and also adds new administrative capabilities for managing and monitoring disk use.

1. **Configurable data retention policies** - Companies and organizations can now specify the period of time for which call and analysis data is preserved on their systems. This helps reduce storage costs, and also reduces the chance that your V-Spark system will encounter problems due to running out of storage space.
2. **Improved handling of low storage conditions** - System administrators can now configure the minimum amount of free local storage space that must be available in order for V-Spark to continue transcribing and analyzing new data.
3. **External Authentication** - System administrators can now configure V-Spark to use certain external authentication mechanisms to enable user logins. Contact <support@vocitec.com> if you are interested in this capability.
4. **Search Unification** - Adhoc search and search within applications are substantially unified at customer request to make it easier to predict the behavior of search within applications.
5. **Transcribe API now accepts single files** - When using the /transcribe API to submit individual files for transcription, single audio or JSON files can now be submitted individually. This was always possible using the GUI and is now possible using the API. Files submitted individually will not be associated with each other. Multiple files, such as audio files and metadata files that should be associated, must still be combined into a single ZIP file and submitted together.
6. **Search Expression Improvements** - In application scoring searches, the underscore character ('_'), a wildcard matching 0 or more words, and the '-->' character combination, matching phrases in consecutive speaker turns, are no longer supported. When upgrading to V-Spark 3.4-2, the underscore character will be automatically scored as '~t' (search for phrases appearing within a single speaker turn) in existing applications. The '-->' character combination is no longer supported in apps, and must be replaced manually in applications because there is no exact replacement.
7. **Application Search Scoring Improvements** - Leaf-level categories without include phrases will now receive a count score of 1 to indicate that files have passed filters in the leaf's upper-level categories. Scoring for time-based phrases is available on a limited/early-access basis. Contact <support@vocitec.com> for more information.

Fixes in 3.4.2

This section identifies specific issues that have been resolved in the 3.4.2 release of V-Spark:

1. **Wildcard search works for custom metadata date fields** - Previously, custom metadata in `datetime` format could not be searched using wildcards, and trying to do so would generate an error.
2. **Time-based adhoc search results for ~e are now correct** - If any call data was uploaded for analysis on versions 3.3.0, 3.3.1, and 3.4.1, an additional update script must be run to enable the use of ~e in adhoc searches. Contact <support@vocitec.com> for more information.
3. **Complex searches for transcript exclude phrases with other search terms are now supported** - Previously, adhoc searches for different types of terms (custom metadata, tags, etc.) with transcript exclude phrases would ignore the exclude phrase.
4. **App reprocessing of folders with a very large number of files was timing out and producing an error.** The timeout value for search operations included in App reprocessing is now configurable. If you need to reprocess folders that contain a very large number of files, you can avoid errors by increasing the timeout value.
5. **Clicking the Call duration graphs now updates the file list** - In versions 3.3.1 and 3.4.1, no results were displayed when the Daily Charts graphs for Call duration were clicked.
6. **User subscriptions requests to Daily Report emails were sometimes being duplicated by the UI, resulting in multiple copies of some reports being attached to the email.** Subscription requests are now checked against existing values before they are added to the description table, which avoids this duplication. Users who are receiving duplicate reports should unsubscribe from all reports, and re-subscribe manually.
7. **Spaces in custom metadata field names are no longer saved as non-breaking spaces** - Fixed an issue where spaces in custom metadata field names were being saved as non-breaking spaces which could cause an issue with app processing if custom metadata was used as a category filter.
8. **Text files sent via callbacks for non-English calls now include the transcript content** - In 3.4.1, text files sent via callbacks were empty for transcripts that contained non-ASCII characters. JSON files were not affected.
9. **New fields cannot be given reserved names** - It was possible to add custom metadata fields that had the same name as reserved built-in fields. The UI and API now restrict the creation of fields so that only non-reserved names can be used.
10. **CSV export supports all available fields** - All available fields can now be selected in the V-Spark user interface for inclusion when exporting data in CSV (Comma-Separated Value) format. UI CSV export now matches `/search` API export results.

Maintenance Fixes Since the Initial 3.4.2 Release

This section identifies fixes that were introduced in patch releases and hot fixes since the initial 3.4.2 release, and are therefore now included in the latest version of the 3.4.2 release. Maintenance versions and associated fixes are listed earliest to most recent:

1. **Folder callbacks send only specified files types** - Callback worker was sending JSON, Text, and MP3 files, regardless of which file types a folder's callback was configured to send. (3.4.2-2)
2. **Content-type for MP3 files is specified in http callbacks** - HTTP callbacks were not specifying the content-type when sending MP3 files. (3.4.2-2)
3. **Application scoring does not fail for files with no utterances** - System was reporting processing errors when a file with no utterances was uploaded to a folder linked to an application or included in a folder that was reprocessed for an application. (3.4.2-2)
4. The **/config/CO_SHORT/users/USERNAME** API call was returning user information within an extraneous username layer. The response has been modified to remove that layer. (3.4.2-5)
5. The **/config** API call was returning Application information within an extraneous Apps layer, even if only one Application was requested. The response has been modified to remove that layer when configuration information for only one App has been requested. (3.4.2-5)
6. The **/search** API was returning an error when searching for App scores. The command has been fixed to prevent the error and return App scores as expected. (3.4.2-5)
7. Daily and monthly reports would fail to generate if any `agentid` had more than 24 hours of talk time in one day. This can occur if talk time for multiple agents is reported with no associated `agentid` or with the same `agentid`. The reports have been corrected to report daily agent talk times in HH+:MM:SS format if the number of talk time hours for that agent is greater than 24. (3.4.2-6)
8. The **/search** API was not allowing searches for categories that had spaces in their names. These searches would fail. This defect has been corrected, and searches for categories that have spaces in their names return proper results. (3.4.2-6)
9. Application scoring was not producing correct scores for categories with "Speakers:" phrases. This defect has been corrected, and the scores now reflect both speakers. (3.4.2-6)
10. Application scoring was not producing correct scores for categories with phrases containing boolean operators OR (|) and AND (&). (3.4.2-7)
11. Application scoring was not producing correct scores for categories with custom metadata exclude filters if the file being scored did not contain the metadata *field* being filtered. (3.4.2-7)
12. Additional security fixes were applied. (3.4.2-7)

13. Improve handling of concurrent `/transcribe` API requests. (3.4.2-8)

Announcements with 3.4.2

V-Spark 3.4.2 does not add any new announcements of upcoming changes and deprecation. Please see [Announcements with 3.4.1 \[18\]](#) for announcements made with the 3.4.1 release.

Known Issues in 3.4.2

1. Partial configuration updates for a company (`/config/ CO_SHORT`) or organization (`/config/ CO_SHORT/ORG_SHORT`) using the REST API are not currently supported. Attempting to update a subset of a company or organization using the REST API currently returns HTTP error code 400. You must supply all fields for the configuration in order to update any field(s) using the REST API.
2. Application re-processing of more than 100,000 files in a single operation may time out.
3. Custom metadata field names may only contain standard ASCII characters, excluding = and :, which are reserved characters.
4. Issues with Dashboard Displays
 - Files uploaded to a folder that is linked to a disabled application or that have not been reprocessed will still appear in the Files View on the application dashboard
5. Issues with Search
 - Time-based search
 - Searches are turn-based and may return results for phrases that are outside of the requested timeframe if those phrases are within the same speaker turn
 - Ad-hoc Search snippets in the Files View may display results outside the specified time interval
 - Exceptions to standard File Details highlighting:
 - Searches using (`~n`) may highlight phrases with the specified number of words in between each of the search terms, rather than between all of the search terms. For example, "get help phone `~4`" may highlight phrases with 4 words between "get" and "help" and another 4 words between "help" and "phone". Searches using (`~t`) and (`~n`) will only be highlighted if the words matched appear in the order specified in the search tag.
 - Highlighting may be incomplete for matches marked with emotion

- Highlighting may be incomplete for matches with intervening silence tags greater than 2 seconds
- Matches for "@"* (such as when searching for email addresses) will only be highlighted until the first "." in the email address. Regular expression searches may be used to circumvent this issue.
- Excluded application search phrases may be highlighted on the File Details page. Note that these exceptions only affect highlighting, and that all search results using the above characters will still be accurate.

6. Other

- Users playing longer audio files via Firefox may encounter playback/syncing issues when jumping to different sections of the transcript. This is an external issue caused by the Firefox browser. Users who encounter this issue can simply wait for the browser to finish buffering the file before resuming their search.
 - The `/appstats` API is not returning any categories if the top category score is zero, even if the depth level is defined to return categories with scores of zero.
 - The `/transcribe` API is not processing audio files if they were uploaded from Amazon's Simple Storage Service (S3). The system is returning an empty reply.
 - Uploaded JSON files that contain an empty Utterances field are not being reprocessed properly.
7. The `/search` API allows searches for application categories that have hyphens and other restricted characters in their names, however these searches fail. Voci application templates that had hyphens and other restricted characters in their names have been modified to remove the restricted characters. All existing application category names should be modified to remove restricted characters.
 8. The `/config/CO_SHORT/ORG_SHORT/apps/APPNAME` API is not returning the correct template value for Applications that were created from templates. It is returning the "template" value of "custom" even for Applications that were created from templates.

V-Spark 3.4.1

The next few sections provide release notes for V-Spark 3.4.1, describing new features and capabilities that were introduced in the 3.4 version of the product. This document also provides information about [“Known Issues in 3.4.1” \[18\]](#) with V-Spark 3.4 that could affect your use of the product.

V-Spark 3.4.1 Release Notes

V-Spark Version 3.4.1 provides performance, usability, and stability improvements, and also provides significant API enhancements.

1. **Call Tagging** - makes it easy to identify specific transcriptions or the results of previous searches by enabling you to apply a **tag** (a logical label) to them and then subsequently search for transcriptions that are associated with that tag
2. **User management enhancements** - more granular permissions and a substantially enhanced GUI simplify setting new and existing permissions and associated roles. These user management improvements are also reflected in the updated REST API, as described later in this section.

If you are upgrading from a previous release of V-Spark, existing user permissions will be converted into those that work with the new permissions model, as shown in the following table:

Table 1. Mapping Between pre-3.4 and 3.4 Permissions

| Pre-3.4 Permission/Role | 3.4 Permission/Role |
|-------------------------|---|
| Admin | System admin |
| Manager | Create/Edit rights on all organizations that they had been given access to within the company under which their account was created (their home company). View rights on any other organization that they had access to |
| User | View rights on any organization that they had access to |

3. **RESTful API - Phase 2** - significant API enhancements make it easier to deploy and manage V-Spark programmatically:
 - a. Enhanced user permissions provide easier delegation of administrative responsibilities within a V-Spark deployment and increase data privacy by separating administrative roles from the ability to view data
 - b. API access to daily overview and agent application statistics makes it easier to extract reports and use extracted data in third-party reporting applications
 - c. Applications can now be created and modified programmatically, making it even easier to use, customize, and deploy applications from templates or simply from outside the V-Spark environment

4. **Expanded email configuration for partners** - Email templates and improved configuration files make it easy for partners to customize system email sender and content
5. **Trending support is disabled** - terminology trend tracking and analysis is now disabled by default, based on its limited use, capabilities, and impact on system performance. We have decided that it needs additional development in order to perform as originally envisioned. At this point in time, this additional development is not a line item in our development plans. The current implementation and of tracking and analyzing terminology trends can be re-enabled by an administrator who has access to the V-Spark installation, by modifying the V-Spark configuration file. Re-enabling the current implementation of trending support is not recommended.
6. **End of day prediction for call volume** (also referred to as "predicted overall volume") is no longer performed.
7. **Company modification via API requires root token** - a company authentication token does not provide sufficient privileges to modify a company itself.

Maintenance Fixes Since the Initial 3.4.1 Release

This section identifies fixes that were introduced in patch releases and hot fixes since the original 3.4.1 release, and are therefore now included in the latest version of the 3.4.1 release. Maintenance versions and associated fixes are listed from earliest to most recent:

1. **Files scored during upload had incorrect summaries of average call duration and silence (3.4.1-1)** - Previously, the average call duration and silence time in the Agent Summary table were calculated using only the files that had scored. Now these averages are calculated based on all of an agent's calls.
2. **Audio player controls now visible in in the Chrome browser (3.4.1-2)** - Chrome Version 63.0.3239.84 changed how the built-in audio player was invoked, causing player controls not to be displayed. This was fixed in V-Spark and in later versions of Chrome.
3. **Enabled Client metadata fields as valid search parameters in /search API (3.4.1-2)** - Searching for Client metadata fields in /search API was not previously supported.
4. **API /search for exclude phrase are now supported (3.4.1-4)** - Previously, no results were returned for API searches with exclude phrases.
5. **setupHostname error (3.4.1-4)** - Prior to this, configuration files without a hostname specified could cause an error.
6. **Added support for tag search with | or & in a single term (3.4.1-4)** - Tag searches that included boolean operators in a single term previously did not return results.
7. **Agent/Client gender and clarity now default to null when speaker does not exist (3.4.1-4)** - In data uploaded prior to this change, Agent/Client gender defaulted to female and Agent/Client clarity defaulted to 0.0 when the speaker did not exist, such as in calls with only one speaker.

8. Improved startup procedures to avoid licensing timing issues.
9. **Updating a company requires the root token (3.4.1-6)** - Previous releases in the 3.4 family allowed companies to be updated by API calls that used the company token for authorization. This has been corrected so that the root token is required for company updates, while the company token can be used to update related organizations and associated users.
10. **Custom metadata is displayed regardless of the case specified in folder (3.4.1-7)** - Previously, only custom metadata that matched the case specified in the folder were displayed.

Announcements with 3.4.1

The following upcoming changes to V-Spark are being announced. These changes are not present in V-Spark 3.4.1, but you should review your use of V-Spark and prepare for changes to these aspects of its use:

1. In application scoring searches, the underscore character ('_'), a wildcard matching 0 or more words, and the '-->' character combination, matching phrases in consecutive speaker turns, are being deprecated in favor of the '~n' (search for phrases appearing up to n words apart) and '~t' (search for phrases appearing within the same speaker turn) expressions.

Known Issues in 3.4.1

1. Issues with Dashboard Displays
 - Files uploaded to a folder that is linked to a disabled application or that have not been reprocessed will still appear in the Files View on the application dashboard
2. Issues with Search
 - Time-based search
 - Searches are turn-based and may return results for phrases that are outside of the requested timeframe if those phrases are within the same speaker turn
 - Ad-hoc Search snippets in the Files View may display results outside the specified time interval
 - Exceptions to standard File Details highlighting:
 - Searches using (~n) may highlight phrases with the specified number of words in between each of the search terms, rather than between all of the search terms. For example, "get help phone ~4" may highlight phrases with 4 words between "get" and "help" and another 4 words between "help" and "phone". Searches using (~t) and (~n) will only be highlighted if the words matched appear in the order specified in the search tag.

- Highlighting may be incomplete for matches marked with emotion
- Highlighting may be incomplete for matches with intervening silence tags greater than 2 seconds
- Matches for "@" (such as when searching for email addresses) will only be highlighted until the first "." in the email address. Regular expression searches may be used to circumvent this issue.
- Excluded application search phrases may be highlighted on the File Details page. Note that these exceptions only affect highlighting, and that all search results using the above characters will still be accurate.

3. Other

- Users playing longer audio files via Firefox may encounter playback/syncing issues when jumping to different sections of the transcript. This is an external issue caused by the Firefox browser. Users who encounter this issue can simply wait for the browser to finish buffering the file before resuming their search.

V-Spark 3.4.0

V-Spark 3.4.0 was an internal pre-release of V-Spark 3.4.1, used for QA and testing.

V-Spark 3.3.1

This section provides release notes for V-Spark 3.3.1, describing new features and capabilities that were introduced in the 3.3.0 and 3.3.1 versions of the product. This document also provides information about [“Known Issues in 3.3.1” \[22\]](#) with V-Spark 3.3.1 that could affect your use of the product.

V-Spark 3.3.1 Release Notes

V-Spark Version 3.3.1 provides performance, usability, and stability improvements, and also provides significant API enhancements.

1. Added new REST APIs to enable programmatic access to V-Spark configuration and settings. The APIs added are `/config`, `/list`, `/logs`, `/search`, and `/status`. See the "Using the V-Spark 3.5.0 API" for more information.
2. Created an online, searchable version of all Voci documentation that can be used by Voci customers, prospects, and employees. PDF documentation can still be referenced or the online documentation can be linked to from the V-Spark Help menu. The online documentation is built from the same content that is used to produce Voci's PDF documentation. Access to the online documentation requires the ability to access [the documentation web site](#) and an account in Voci's portion of Salesforce.com.
3. The Elasticsearch software used by V-Spark was upgraded, enabling easier integration of V-Spark with external reporting tools.
4. Improved definition and display of speaker turns generated from V-Spark's Automatic Speech Recognition (ASR) utterances
5. System-wide announcements can now be set by an administrator so that they are visible to anyone who is using V-Spark
6. V-Spark now supports a read-only mode that enables maintenance and diagnostic tasks to take place while users can still view and explore existing data. No new audio can be added or processed while V-Spark is in read-only mode.
7. The Settings menu's Folders page now provides graphical controls that enable you to pause and continue processing. Pausing file processing enables current processing operations to complete, but no new processing can be done until the continue portion of the pause/continue control is selected.
8. Improved folder processing status, enabling folder views to be sorted by time (most recently processed). V-Spark now also provides access to the folder processing log queue, enabling users to see which folders are waiting to be processed, are currently being processed, are waiting for analysis, or have encountered errors during processing.
9. Reporting has been enhanced to provide access to more data, such as a table that provides agent summary information
10. The **File Details** page now:

- a. displays overtalk with blue edge highlighting in the transcript and correspondingly displays overtalk scores in blue text
 - b. enables you to collapse client metadata so that the general details are easier to review
 - c. provides information about the processing date of application scoring
11. File metadata can now be displayed and used in Adhoc searches, rather than only being viewable on the **File Details** page
 12. Enhanced the Voci license server to improve robustness and responsiveness

Fixes in 3.3.1

This section identifies specific issues that have been resolved in the 3.3.1 release of V-Spark:

1. Fields within CSV reports that are exported from the dashboard are now quoted
2. Improved reliability of application scoring and reprocessing
3. RequestIDs are now correctly assigned and displayed when reloading existing Voci JSON files and associated MP3 audio
4. Favicons are now correctly shown in V-Spark pages in a web browser
5. Configuration files enable partners to customize system email sender and content
6. Highlighting on the File Details page now correctly considers word boundaries when interpreting regular expression phrases

Known Issues in 3.3.1

1. Exporting large numbers of files (10K or larger) as CSV can take an extremely long time, and may not complete successfully. A suggested workaround when you want to export large file lists in CSV format is to subset those lists into smaller groups that you can subsequently combine in your target spreadsheet application.
2. Calls to the `/search` API will only return custom metadata for matches if a folder has been specified. In other words, suppose that a call to the `/search` API matches files in folders under a company named *Doc Test Co* and an organization named *Doc Testing*, and that custom metadata is associated with a folder under that organization that is named *Test01*. Matching results in that folder that are returned by calling `/search/DocTestCo-DocTesting` will not contain any custom metadata, while matching results that are returned by calling `/search/DocTestCo-DocTesting/Test01` will contain the custom metadata.

3. Downloading JSON and MP3 data simultaneously for large numbers of files (5K or greater) can fail without that failure being displayed in the GUI. The size of the zip file created for downloading depends on the size of the files that are being included in the archive. A suggested workaround when you want to download transcripts and MP3 data for large numbers of files is to subset your download requests into smaller numbers of files.
4. Issues with Dashboard Displays
 - a. Stat summaries for dates in the past are not updated when files with historical timestamps older than the current day are loaded
 - b. Files uploaded to a folder that is linked to a disabled application or that have not been reprocessed will still appear in the Files View on the application dashboard
5. Issues with Search
 - a. Time-based search
 - i. Searches are turn-based and may return results for phrases that are outside of the requested timeframe, if they are within the same speaker turn
 - ii. Ad-hoc Search snippets in the Files View may display results outside the specified time interval
 - b. Exceptions to standard File Details Highlighting (in order of severity)
 - i. Searches using (~n) may highlight phrases with the specified number of words in between each of the search terms, rather than between all of the search terms. For example, "get help phone ~4" may highlight phrases with 4 words between "get" and "help" and another 4 words between "help" and "phone". Searches using (~t) and (~n) will only be highlighted if the words matched appear in the order specified in the search tag.
 - ii. Highlighting may be incomplete for matches marked with emotion
 - iii. Highlighting may be incomplete for matches with intervening silence tags greater than 2 seconds
 - iv. Matches for "@*" (such as when searching for email addresses) will only be highlighted until the first "." in the email address. Regular expression searches may be used to circumvent this issue.
 - v. Excluded application search phrases may be highlighted on the File Details page. Note that these exceptions only affect highlighting, and that all search results using the above characters will still be accurate.
6. Other

- a. The Trending View may take some time to fully load, especially for longer date ranges
- b. Users playing longer audio files via Firefox may encounter playback/syncing issues when jumping to different sections of the transcript. This is an external issue caused by the Firefox browser. Users who encounter this issue can simply wait for the browser to finish buffering the file before resuming their search.

V-Spark 3.3.0

V-Spark 3.3.0 was an internal pre-release of V-Spark 3.3.1, used for QA and testing.

V-Spark 3.2.1

This section provides release notes for V-Spark Version 3.2.1, a maintenance release that was delivered to customers to resolve a few minor problems in the V-Spark 3.2.0 release. There are no additional known issues for 3.2.1 - all of the known issues given in the 3.2 release notes still apply to the 3.2.1 release.

V-Spark 3.2.1 Release Notes

V-Spark Version 3.2.1 resolves a variety of issues in the V-Spark 3.2.0 release. These are:

1. Added support for WebAPI ASR servers/load balancers.
2. Added support for single file non-zip uploads with no restrictions on filename extension.
3. Added optional support for insecure HTTPS for ASR servers and callbacks.
4. Improved validation of Company, Organization, Folder, and Application names.
5. Display activity logs entries with local server time.
6. Removed client emotion filter from the customer experience application template.
7. Fixes:
 - a. Improved handling of server and model lists when configuring companies and folders.
 - b. Resolved several edge case errors when importing data and reprocessing.
 - c. Resolved error processing metadata keys set to empty string.
 - d. Improved V-Spark service script to better kill old processes when restarting.
 - e. Eliminated need to clear browser cache after upgrades.
 - f. Improved handling of errors produced by versions of the libmediainfo package that are greater than version 0.7.94.
 - g. Fixed folder processing log viewer hangs due to mismatched table headings.

- h. Ensured that downloaded text filename is consistent with json and mp3 filenames.
- i. Enabled use of no authentication in SMTP server setup.
- j. Improved handling of Boolean values for custom ASR tag configuration.
- k. Fixed broken link to G729A help document.
- l. Fixed errors when deleting archived files on some remote filesystems.
- m. Fixed errors related to trailing slashes on some callback URLs.

V-Spark 3.2

This section provides release notes for V-Spark 3.2, describing new features and capabilities that were introduced in the 3.2 version of the product. This document also provides information about ["Known Issues in 3.2" \[29\]](#) with V-Spark 3.2 that could affect your use of the product.

V-Spark 3.2 Release Notes

V-Spark Version 3.2 provides new language models, significant performance, usability, and stability improvements, and API enhancements to simplify transcript and audio retrieval.

1. Added new `request` API to retrieve Text and JSON transcripts and MP3 audio from V-Spark outside of the traditional callback interface. The `request` API provides 4 verbs to query job status and retrieve results by RequestID: `status`, `summary`, `details`, and `result`. See "Using the V-Spark 3.5.0 API" for more information.
2. Added Support for Non-English Languages
 - a. These language models support the following features (requires Automatic Speech Recognition (ASR) greater than or equal to 5.4.1):
 - i. File loading
 - ii. Playback and Display
 - iii. Ad-hoc Search
 - b. The following features are not supported in these language models for 3.2:
 - i. Applications
 - ii. Application Templates
 - iii. Reporting
3. Internet licensing supported in V-Spark. Internet licensing simplifies license management, making it easy to remotely add, upgrade, or update licenses.
4. Improved responsiveness of application graphs, summary tables, and settings pages
5. Improved timezone handling in the user interface, databases, and JSON transcripts. Date and time now stored in UTC in JSON transcripts.

6. Expanded callback support to include SFTP and Amazon S3, providing the ability to automatically send Text and JSON transcripts and MP3 audio to a URL
7. Additional ASR tags can now be configured in the V-Spark UI
8. Redesigned date range pickers for improved performance and usability
9. Icon added to Settings pages to enable direct navigation to Dashboard view of applications and folders
10. Simplified folder hierarchy is retained in downloaded zip files, preventing filename collisions
11. Increased usability of Activity log: Filter settings are stored as query parameters to enable sharing URLs with other users, and "API" type added to filter log entries related to API calls
12. System administrators now have the ability to restrict users from downloading MP3, JSON, and text transcriptions from the File Details page.
13. Support for Red Hat Enterprise Linux (RHEL) 6
14. Approximate search mode is no longer supported
15. Fixes
 - a. Corrected and improved metadata handling in Voci JSON output. The intermediate `<metadata>` section was removed from the `<client_data>` section to flatten the JSON and simplify client data processing. See the Voci JSON Output Format Guide for more information.
 - b. Application queries using `~n` are now scored correctly even if a turn contains one of the phrase words multiple times

Known Issues in 3.2

The items that are described in this section may affect your use of V-Spark, and are recognized by Voci as items that we expect to address in a future release.

1. Dashboard Displays
 - a. Stat summaries for dates in the past are not updated when files with historical timestamps older than the current day are loaded
 - b. Files uploaded to a folder that is linked to a disabled application or that have not been reprocessed will still appear in the Files View on the application dashboard

2. Unlinking an application from a large folder (greater than 100,000 files) may cause errors where the folder will be unselectable in file editing mode, and where the app is unlinked, but scores may still be visible in certain views
3. Search
 - a. Time-based search
 - i. Searches are turn-based and may return results for phrases that are outside of the requested timeframe, if they are within the same speaker turn
 - ii. Ad-hoc Search snippets in the Files View may display results outside the specified time interval
 - b. The (-) operator for excluding a search tag in ad-hoc search is not supported for file names
 - c. Exceptions to standard File Details Highlighting (in order of severity)
 - i. Searches using (~n) may highlight phrases with the specified number of words in between each of the search terms, rather than between all of the search terms. For example, "get help phone ~4" may highlight phrases with 4 words between "get" and "help" and another 4 words between "help" and "phone". Searches using (~t) and (~n) will only be highlighted if the words matched appear in the order specified in the search tag.
 - ii. Highlighting may be incomplete for matches marked with emotion
 - iii. Highlighting may be incomplete for matches with intervening silence tags greater than 2 seconds
 - iv. Matches for "@*" (such as when searching for email addresses) will only be highlighted until the first "@" in the email address. Regular expression searches may be used to circumvent this issue.
 - v. Excluded application search phrases may be highlighted on the File Details page. Note that these exceptions only affect highlighting, and that all search results using the above characters will still be accurate.
4. Other
 - a. The Trending View may take some time to fully load, especially for longer date ranges
 - b. Users playing longer audio files via Firefox may encounter playback/syncing issues when jumping to different sections of the transcript. This is an external issue caused by the Firefox browser. Users who encounter this issue can simply wait for the browser to finish buffering the file before resuming their search.

5. The `transcribe API S3` option can currently only be used in cloud mode

V-Spark 3.1

Limited release with support for Internet licensing

V-Spark 3.0.0

V-Spark version 3.0 features several major updates, especially in the area of application development, including multi-level applications, fully-integrated application scores, and even more powerful search capabilities. Other highlights include the addition of time-based search and text-only uploads of email and chat data.

V-Spark 3.0.0 Release Notes

The capabilities introduced in V-Spark version 3.0 can be organized into several general areas of improvement:

1. Navigation

- a. All pages under Settings will have the same breadcrumb-style navigation as the Dashboard.
- b. Folders and Applications are now displayed on separate pages.
- c. The Application Editor is now accessible from the Applications Page.
- d. Application reprocessing is now controlled directly from the Applications page.

2. Dashboard Graphs & Statistics

- a. Overview and Applications graphs can be set to display historical data (data that is older than thirty days).
- b. Overview Call Statistics table now displays monthly averages.
- c. Call Statistics values will not be updated for data uploaded with historical date times.
- d. Application graphs (both Overview and Daily Chart) now display the number of calls that matched each category.

3. Dashboard Search

- a. Time-based ad-hoc searches can now be conducted.
 - i. Proper format: search phrase followed by ~s or ~e (to indicate the beginning or end of the call), a greater/less than symbol (>/<), and the number of seconds (to indicate which section of the call to search).
 - ii. For example, "thank you < 30" will find all calls where "thank you" was said during the last 30 seconds of the call.

- iii. Time-based searches terms can be excluded as well, using a minus symbol (-).
- iv. Time-based search will only be enabled for data uploaded after updating to version 3.0.
- b. New ad-hoc search capabilities have been added so that users can use (^) and (\$) to search for phrases at the very beginning or end of a speaker turn, respectively.

**NOTE**

These searches will only be enabled for data uploaded after updating to version 3.0.

- c. Application search has been improved so that users can view results for multiple application categories at once, and perform Boolean AND/OR searches on these selections.

4. File Details Page

- a. Application scores are fully integrated into the File Details page. Phrases matching each application category can be highlighted individually.
- b. Silent portions of the call are now displayed as part of the transcript so users can see where silence occurs and for how long. Users will also be able to skip these silent portions when replaying audio.
- c. More efficient display of File Details menu:
 - i. File names are now displayed above the audio player.
 - ii. Controls for turning emotion visualization and silence skipping on/off have been moved above the call metadata for easier access.
- d. The name of the file being viewed will appear within the browser tab for easier navigation between tabs.

5. Enhanced Application Support

- a. **Key Highlights**
 - i. Version 3 now includes the following application templates:
 - A. Agent Scorecard (improved from version 2)

- B. Call Drivers (improved from version 2, formerly Voice of the Customer)
 - C. Customer Experience (includes analyses for first call resolution, churn detection, and customer sentiment)
- ii. Multi-level applications now support more in-depth analysis with a category hierarchy of up to 5 categories deep by default.
 - A. Currently configured applications will be converted to the new underlying JSON structure.
 - B. Application configuration files with the old JSON structure are no longer supported and cannot be uploaded to custom applications.
 - C. Ad-hoc application search for data uploaded before updating to version 3 will only work for top-level categories.
 - iii. New applications can be created by copying any existing application within the user's available organizations.

b. Editing

- i. New application search capabilities have been added for more flexible analysis. More detailed explanations of each search character are available in the "V-Spark Application Development Guide".
 - A. Underscore (_) now indicates 0 or more words, rather than 1 or more words.
 - B. Boolean searches find files that contain both (&) or at least one (!) search phrase.
 - C. Distance-based search (~n) finds files containing phrases that appear up to n words apart. Turn-based search (~t) finds files containing phrases that appear within a single speaker turn.
 - D. Wildcards for single characters (?) and 0+ characters (*).
 - E. Location-based searches find files containing phrases at the very beginning (^) or very end (\$) of the speaker turn.
 - F. Searches can be conducted across speaker turns using (-->), e.g. "how can i help you --> billing" will match any calls where Turn A contains "how can i help you" and Turn B contains "billing".
- ii. Custom metadata values may be added to applications as include and exclude filters so that users can better tailor analysis to their particular company.
- iii. Simultaneous editing of applications by multiple people is now supported.

- iv. All application phrases added using the Application Editor, phrase list upload, or JSON config upload will be validated.
 - A. Attempts to add invalid phrases will generate an error message.
 - B. Invalid phrases added using the Application Editor will not be uploaded. Phrases containing errors in syntax will be uploaded, but corrected to the proper syntax.
 - C. Invalid phrases added using the phrase list upload will not be uploaded, but all remaining phrases in the phrase list file will.
 - D. Invalid phrases added using a JSON config file will generate an error message listing the first invalid phrase and no portion of the new config file will be uploaded.
- v. Any changes made to an application will be saved automatically as soon as they are entered, rather than at the end of each session.

c. Scoring

- i. Application scores can now be exported for downstream analytics more easily.
 - A. Application scores for custom date ranges, rather than a single day can be exported from the Agents View.
 - B. Application scores will automatically be included in JSON transcripts.
 - C. Reprocessed scores will be available in JSON transcripts downloaded from the File Details page, but not via bulk download from the Settings page.
- ii. Users can select a default scoring type for applications (either Hit/Miss or Coverage) to be displayed on the Dashboard graphs, Agents View, and Summary View).
- iii. Application scoring has changed. Key changes have been summarized below. More detailed information can be found in "V-Spark 3.5.0 Application Development Guide".
 - A. Categories at the lowest level of an application (leaf-level categories) will receive a Count score that is equal to the number of phrases that were matched for that category.
 - B. Upper-level categories will receive both a Coverage score (formerly Average) and a Hit/Miss score (formerly Total).
 - C. The default value for existing applications will automatically be set to Hit/Miss. Users can switch this to Coverage, but the scores displayed will be equivalent to the old Average scores. For new Coverage scores, users will have to reprocess the application.

D. Exclude phrases in lower-level categories will only cancel out other phrase matches, rather than entire calls.

6. Application Queue

- a. The application queue now includes more detailed status information and a timestamp indicating the time a reprocessing request was received or a folder was unlinked from an application.
- b. The application queue will appear immediately after submitting a reprocessing/delete request.

7. Trending

- a. Trending Editor functionality has been brought in line with Application Editor functionality, with (-) being used to designate exclude phrases, rather than a separate tab.
- b. Users will be able to view a roll-up of trending phrases for custom date ranges, rather than a single day.

8. Logging

- a. Detailed logs of user activity and system status can now be viewed by Admin users, including the following information:
 - i. Creation, deletion, and updates to companies, organizations, folders, and applications
 - ii. Approval of new user accounts as well as updates or deletion of existing user accounts
 - iii. Reprocessing of applications
 - iv. Uploading of audio/text files for initial transcription User logins and logouts
- b. Users with Admin and Manager permissions can access a log of transcription status for individual audio/text files from the Settings/Folders page.

9. Upload/Download Improvements

- a. Bulk downloads of all file types can now be done for a custom date range.
- b. MP3 files can now be downloaded in bulk from the Settings/Folders page.
- c. JSON representing text data sources such as chat and email can be consumed without audio.

- d. The system has been optimized for greater overall throughput of transcription processing.

10. Fixes

- a. Emotion metadata filters in applications no longer trigger a reprocessing error.
- b. More consistent highlighting in Dashboard search snippet preview and File Details page.
- c. Trending phrases with equivalent frequency counts are now displayed in alphabetical order.

11. For Developers

- a. V-Spark clients who have S3 configured can now pull zipped input directly from S3 via the Voci API.
- b. Backend logging has been improved to rotate logs daily and delete logs older than 30 days.

Known Issues in 3.0

1. Dashboard Displays

- a. Values in the Dashboard Overview Call Statistics table will not be updated for data uploaded with historical datetimes.
- b. Files uploaded to a folder that is linked to a disabled application will still appear in the Files View on the application dashboard.
- c. Files uploaded to a folder before an application has been reprocessed will still appear in the Files View on the application dashboard.

2. Search

- a. Time-based search
 - i. Searches are turn-based and may return results for phrases outside of the specified timeframe, but within the same speaker turn that starts or ends within that timeframe.
 - ii. Search snippets in the Files View may display results outside the specified time interval.
- b. The (-) operator for excluding a search tag in ad-hoc search is not supported for file names.
- c. File Details Highlighting Exceptions* (in order of severity):

- i. Approximate searches using (~a) will not be highlighted.
- ii. Searches using (~n) may highlight phrases with the specified number of words in between each of the search terms, rather than between all of the search terms. For example, "get help phone ~4" may highlight phrases with 4 words between "get" and "help" and another 4 words between "help" and "phone"
- iii. Searches using (~t) and (~n) will only be highlighted if the words matched appear in the order specified in the search tag.
- iv. Highlighting may be incomplete for matches marked with emotion
- v. Highlighting may be incomplete for matches with intervening silence tags greater than 2 seconds.
- vi. Matches for "@*" (such as when searching for email addresses) will only be highlighted until the first "." in the email address. Regular expression searches may be used to circumvent this issue.
- vii. Excluded application search phrases may be highlighted on the File Details page.

**NOTE**

Note that these exceptions only affect highlighting, and that all search results using the above characters will still be accurate.

3. Other

- a. The Trending View may take some time to fully load, especially for longer date ranges.
- b. Users playing longer audio files via Firefox may encounter playback/syncing issues when jumping to different sections of the transcript. This is an external issue caused by the Firefox browser. Users who encounter this issue can simply wait for the browser to finish buffering the file before resuming their search.

V-Spark 2.2.5

V-Spark 2.2.5 was a maintenance release that was given to customers to resolve a few minor problems:

1. Fix "Bookmark not showing up" error
2. Improved audio length limit
3. Resolved ERR_RESPONSE_HEADERS_MULTIPLE_CONTENT_DISPOSITION

V-Spark 2.2.4

V-Spark 2.2.4 was a maintenance release that was given to customers to improve audio handling and to resolve a few problems:

1. (new) Added browser support for Internet Explorer
2. (new) Application configuration files can be uploaded and downloaded for custom applications
3. Enabled upload of metadata filters in application configuration files
4. Emotion-based searches after application reprocessing
5. Improved audio playback
6. Improved password reset notification
7. Improved Trending
8. Increased efficiency of Elasticsearch operations
9. Increased API data flow efficiency

V-Spark 2.2.3 Release Notes

This document provides release notes for V-Spark, describing new features and capabilities that have been introduced in each version of the product. This provides a convenient reference for helping understand the version of the product in which features have been introduced.

V-Spark 2.2.3 was a maintenance release that was given to customers to add several new features and to resolve a few existing problems:

1. (new) Application scores for old audio can be updated/reprocessed when changes are made in the Application Editor.
2. (new) Adds the ability to define custom metadata fields for individual folders and search on custom metadata values.
3. (new) Provides an improved representation of diarization and emotion scores and faster updates during the trending phase.
4. Selection of available models can be changed for a company
5. RequestID assigned to all audio files uploaded in a zip file
6. Admins can select which models are available for use by a company
7. More consistent calculation and display of Diarization scores
8. Dashboard Emotion graphs updated to improve readability
9. Agent/client classifier automatically assigns speaker labels to each channel
10. Increased speed of trending phrase updates
11. JSON and audio can be posted to a user-specified URL (API callback)
12. Ability to configure preferred hostname and port
13. Improved method used to calculate available disk space

V-Spark 2.2.0 Release Notes

This major release introduces V-Spark's new multi-tenant configuration, the ability to customize trending phrases and scorecard applications for personalized analysis, and improved search and emotional intelligence capabilities, processing speed, and ease of use.

1. (new) Multi-tenancy implemented to enable increased privacy
2. (new) New user group classification: Admin (super-admin), Manager (old-admin), User, and Disabled
3. (new) Ability to download all JSON/TEXT files from a folder for a specific date
4. (new) New navigation menu system allows for easy switching between pages
5. (new) User can subscribe to receive reports via email
6. (new) Company usage and limit feature. Admin users can change the limit of each company and monitor company usage from the Accounts tab under Settings
7. (new) Ability to create and edit custom applications using the Application Editor
8. (new) Updated Agent Scorecard template and new Voice of the Customer templates
9. (new) Ability to create custom lists of trending phrases using the Trending Editor
10. (new) Disabled Long/Short Trending phrase lists
11. (new) User Documentation added under Help Menu
12. (new) Improved emotional intelligence calculations
13. (new) Improved Time zone support
14. (fixed) Improved cluster script to run more transcripts faster
15. (fixed) Support callback of JSON data to a URL endpoint via POST
16. Added New database configuration to allow V-Spark to use cloud or remote database
17. Created `/transcribe` API to bypass login for API-based upload of files