

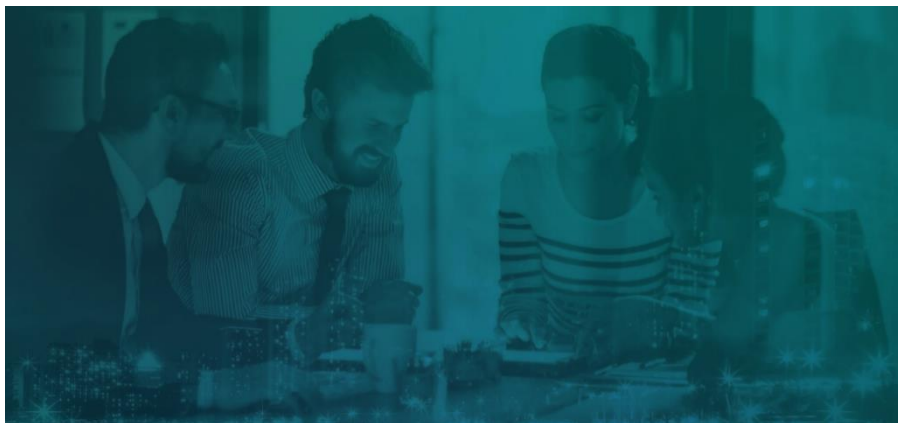


Cision Web Solutions Newsfeed

March 2023

Contents

INTRODUCTION	1
SYSTEM PLATFORM	1
TECHNICAL SYSTEM OVERVIEW	1
SOFTWARE	1
CAPACITY	ERROR! BOOKMARK NOT DEFINED.
ACCESSING THE DATA	2
FILTER OPTIONS.....	2
FEED SCHEMA REFERENCE LISTING	3
FEED SCHEMA REFERENCE RELEASE DETAILS.....	5
CANONICAL URL	8
CLIENT-SIDE INTEGRATION	9
DELIVERY PACKAGE	9
SETTINGS.....	10
<i>General settings</i>	10
<i>AccessKey</i>	11
<i>Newsfeed settings</i>	11
TRANSLATIONS.....	12
CISION INFORMATION TYPES	12
APPENDIX A - CHANGE LOG XML VERSIONS	14

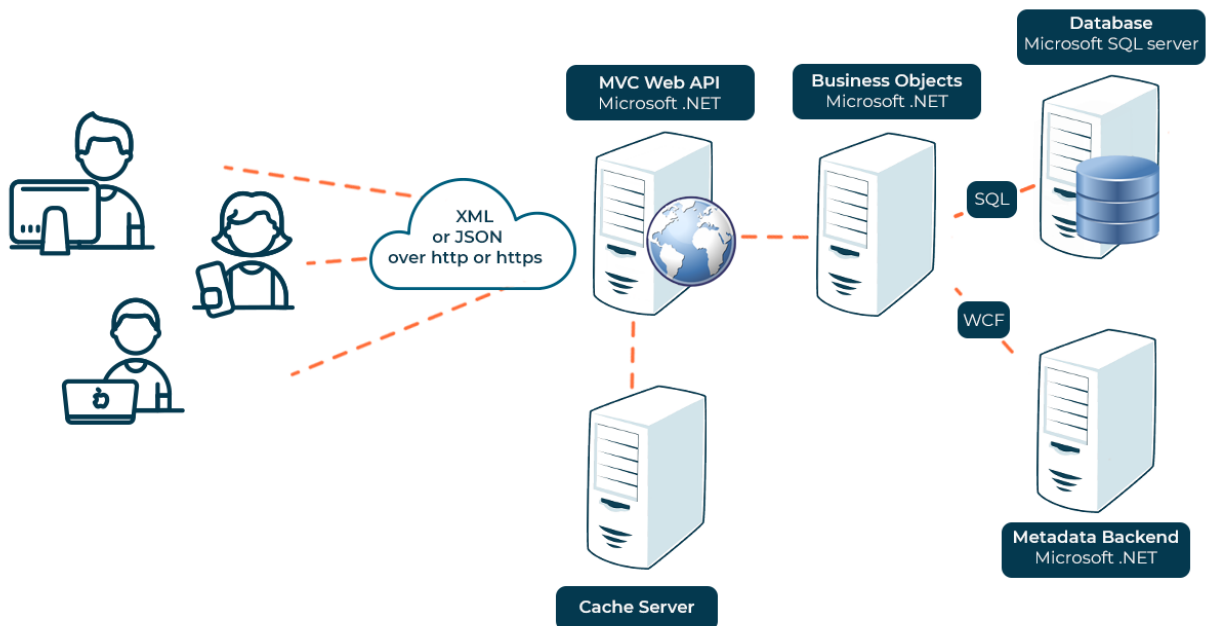


Introduction

This document describes the technical platform of the Cision Web Solutions Newsfeed Module and how to use this module to present releases and financial reports on a client web site.

System platform

Technical system overview



Software

The Cision platform and client pages are written in C#.NET. The data layer is implemented with Microsoft SQL Server and XML web services. Text search indexing is implemented using Solr.

Accessing the data

The data for all the Cision web modules is delivered via Cision’s API as feeds in XML and JSON formats. The feeds have a one-minute cache, so polling the feeds more frequently than once a minute will not result in new data. Cision monitors polling frequency and applies throttling if necessary.

Recommendations:

Don’t lock API feeds and/or the push service Notified Pull to our IP-range as we use CloudFlare for security reasons so there is no fixed IP-range available.

Solution, use instead

- DNS based filtering to our cision.com domain
- TOKEN JWT solution for our push service Notified Pull

Filter options

The feeds can be filtered by passing filter options as query string parameters. Following are the available filter options for the share graph feed.

Name	value	Description
Format	XML or JSON	Format the feed in either XML or JSON
StartDate	yyyy-mm-dd	Defines the date when the feed starts.
EndDate	yyyy-mm-dd	Defines the date when the feed ends. Defaults to today.
PageIndex	0	Index that the release list starts on. This is used together with pageSize to page through releases.
PageSize	50	Number of releases per page. The maximum number of releases per page is 100. Use this parameter together with pageIndex to page through releases.
Tags		Filter on tags. This will return releases with the given tags. One or several tags can be provided separated by a comma.
SearchTerm		Free text search in release titles.
DetailLevel	base	Defines the detail level of the data and the number of properties that will be fetched. Possible values are “base”, “medium” or “detail”.

Feed schema reference listing

- **PageIndex:** int
- **PageSize:** int
- **TotalFoundReleases:** int
- **TotalFoundMedias:** int
- **ReleaseFeedIdentifier:** string
- **MediaFeedIdentifier:** string
- **Releases:** Array of objects
 - **Id:** int
 - **EncryptedId:** string
 - **IsRegulatory:** bool
 - **SuppressImageOnCisionWire:** bool
 - **PublishDate:** UTC DateTime string
 - **LastChangeDate:** UTC DateTime string
 - **Title:** string
 - **Intro:** string
 - **IptcCode:** string
 - **InformationType:** string
 - **LanguageCode:** string
 - **CountryCode:** string
 - **CanonicalUrl:** string
 - **CisionWireUrl:** string
 - **RawHtmlUrl:** string
 - **LegalReference:** string
 - **HtmlLegalReference:** string
 - **LanguageVersions:** array of objects
 - **Code:** string
 - **ReleaseId:** int
 - **Images:** array of objects
 - **CreateDate:** UTC DateTime string

- **Description:** string
- **Title:** string
- **DownloadUrl:** string
- **FileName:** string
- **Keywords:** string array
- **Photographer:** string
- **Description:** string
- **UrlTo100x100Thumbnail:** string
- **UrlTo100x100ArResized:** string
- **UrlTo200x200 Thumbnail:** string
- **UrlTo200x200ArResized:** string
- **UrlTo400x400ArResized:** string
- **UrlTo800x800ArResized:** string
- **Tickers:** string
 - **Symbol:** string
 - **ISIN:** string
 - **PrimaryListing:** bool
 - **IsShare:** bool
 - **MarketPlaceSymbol:** string
 - **MarketPlaceName:** string
 - **MarketPlaceBloombergCode:** string
 - **MarketPlaceMarketWireCode:** string
 - **MarketPlacelsRegulated:** bool
 - **MarketPlacelsRegulated:** string
- **Medias:** Array of objects
 - **MediaType:** string
 - **FileName:** string
 - **DownloadUrl:** string
 - **Photographer:** string
 - **UrlTo100x100Thumbnail:** string
 - **UrlTo200x200Thumbnail:** string

- **UrlTo100x100ArResized:** string
- **UrlTo200x200ArResized:** string
- **UrlTo400x400ArResized:** string
- **UrlTo800x800ArResized:** string
- **Keywords:** string array
- **CreateDate:** UTC DateTime string
- **Title:** string
- **Description:** string
- **Title:** string
- **Author:** string
- **DatePackaged:** UTC DateTime string

[XML FEED EXAMPLE](#)[JSON FEED EXAMPLE](#)

Feed schema reference release details

- **Releases:** Array of objects
 - **Id:** int
 - **EncryptedId:** string
 - **IsRegulatory:** bool
 - **SuppressImageOnCisionWire:** bool
 - **PublishDate:** UTC DateTime string
 - **LastChangeDate:** UTC DateTime string
 - **Title:** string
 - **Intro:** string
 - **Body:** string
 - **Complete:** string
 - **Contact:** string
 - **CompanyInformation:** string
 - **Header:** string

- **MainJobId:** int
- **SourceId:** int
- **SourcesListed:** bool
- **SourceName:** string
- **SeOrganizationNumber:** string
- **LogoUrl:** string
- **HtmlCompanyInformation:** string
- **HtmlContact:** string
- **HtmlTitle:** string
- **HtmlHeader:** string
- **HtmlIntro:** string
- **HtmlBody:** string
- **IptcCode:** string
- **InformationType:** string
- **LanguageCode:** string
- **CountryCode:** string
- **CanonicalUrl:** string
- **CisionWireUrl:** string
- **RawHtmlUrl:** string
- **LegalReference:** string
- **HtmlLegalReference:** string
- **LanguageVersions:** array of objects
 - **Code:** string
 - **ReleaseId:** int
- **Keywords:** string array
- **Categories:** string array
- **Quotes:** array of objects
 - **Text:** string
 - **Author:** string
- **ExternalLinks:** array of objects
 - **Title:** string

- **Url:** int
- **EmbeddedItems:** array of objects
 - **CreateDate:** UTC DateTime string
 - **MediaType:** string
 - **Description:** string
 - **Title:** string
 - **EmbedCode:** string
 - **EmbedHost:** string
 - **Keywords:** string array
 - **ThumbnailUrl:** string
- **Videos:** array of objects
 - **CreateDate:** UTC DateTime string
 - **Description:** string
 - **MediaType:** string
 - **Title:** string
 - **DownloadUrl:** string
 - **FileName:** string
 - **Keywords:** string array
 - **Photographer:** string
 - **ThumbnailUrl:** string
- **Files:** array of objects
 - **CreateDate:** UTC DateTime string
 - **Description:** string
 - **IsMain:** string
 - **MediaType:** string
 - **Title:** string
 - **Url:** string
 - **FileName:** string
 - **Type:** string - for the main file of feed version 2.4 that is not a pdf this will be of type ESEF
- **Images:** array of objects

- **CreateDate:** UTC DateTime string
- **Description:** string
- **Title:** string
- **DownloadUrl:** string
- **FileName:** string
- **Keywords:** string array
- **Photographer:** string
- **UrlTo100x100Thumbnail:** string
- **UrlTo100x100ArResized:** string
- **UrlTo200x200 Thumbnail:** string
- **UrlTo200x200ArResized:** string
- **UrlTo400x400ArResized:** string
- **UrlTo800x800ArResized:** string
- **Tickers:** Array of objects
 - **Symbol:** string
 - **ISIN:** string
 - **PrimaryListing:** bool
 - **IsShare:** bool
 - **MarketPlaceSymbol:** string
 - **MarketPlaceName:** string
 - **MarketPlaceBloombergCode:** string
 - **MarketPlaceMarketWireCode:** string
 - **MarketPlaceIsRegulated:** bool
 - **MarketPlaceCountryCode:** string
- **Title:** string
- **Author:** string
- **DatePackaged:** UTC DateTime string

Canonical url

A canonical url (or syndicated url as it can also be called) can be used to let search engines know that a given resource might exist on a different url as

well. If a client distributes releases to several sites a canonical url can be set to their own site to improve SEO.

Use this link to set the canonical url

[http://publish.ne.cision.com/Release/SetReleaseCanonicalUrl?releaseId=\[ReleaseId\]&senderId=\[Identifier\]&senderSystemIdentifier=\[SystemIdentifier\]&canonicalUrl=\[URL to the release\]](http://publish.ne.cision.com/Release/SetReleaseCanonicalUrl?releaseId=[ReleaseId]&senderId=[Identifier]&senderSystemIdentifier=[SystemIdentifier]&canonicalUrl=[URL to the release])

Client-side integration

Cision provides ready-made code to present web module data on client web sites. This code can be used as is or modified to suit specific needs or layout considerations. The customer may also write their own code to interact with the API.

Delivery package

The code provided by Cision consists of a complete delivery package with JavaScript, CSS styles, translations, proxy handler (needed to solve the problem with cross site scripting if CORS cannot be used) and HTML pages. The HTML is built using the template engine JSRender. The graphs are rendered with HighCharts and can be altered using Cision's predefined settings. If the flexibility afforded by the settings is not enough, the client can use the API directly to implement the presentation.

VISIT WEB SOLUTIONS DEMO SITE

The Cision presentation code is dependent on two scripts. The first is a minified and concatenated vendor script including all third-party libraries used. The second is the Cision script which a concatenated and minified version of all module JavaScripts. For more information on specific libraries, versions and use, please see the README file included.

In case of problems with the minified files (e.g. JavaScript library version mismatch or naming conflicts), the non-minified Cision web solutions JavaScript can be downloaded from the [Web Solutions demo site](#). Please note that Cision can *only* provide technical support if the minified files supplied are used.

Settings

All predefined settings are found in [Scripts/settings.js](#). Adjust this file to customize your setup. Override settings may be passed as JSON objects in the render call to any given module. This is useful when different modules need to have different general settings or if several instances of the same module need to be presented with different settings. By overriding the settings this way – in the render call itself - there is no need to duplicate the entire file and it is clear to which module the override settings pertain.

General settings

These settings affect all modules rendered with the given settings file referenced.

Setting name	Type	Description
serviceEndpoint	<i>string</i>	Url to Cision's API, this should not be changed. 'https://publish.ne.cision.com/papi/'.
proxyHandler	<i>string</i>	This is needed if CORS cannot be used to enable cross-domain data retrieval. ProxyCallsHttpHandler.ashx for .NET and ProxyCallsHttpHandler.php for Unix
useProxyHandler	<i>bool</i>	Set to true if the proxy handler should be used, defaults to false.
uiLanguage	<i>string</i>	Defines the module presentation language. The format of the language codes is ISO 639 (2-letter). See specification for more information on which code to use. This setting is used to fetch the correct translation texts from Scripts/texts.js.
startDate	<i>string</i>	Corresponds to the filter option startDate. The data will be fetched starting from this date. If no startDate is specified, all data will be fetched.
endDate	<i>string</i>	Corresponds to the filter option endDate. The data will be fetched starting from startDate and until the given endDate. If no endDate is specified, all data until today's date will be fetched.
pageIndex	<i>int</i>	Used for release and media feeds paging. The default value is 0.
pageSize	<i>int</i>	Used for release and media feed paging. Also used for calendar and printed material to limit the number of items displayed. The default value is 50.
numberFormatOptions. thousandSeparator	<i>string</i>	Global number format setting for thousand separators. This can be overridden by the helper

		methods in the JSRender template that are based on the same settings. Defaults to whitespace.
numberFormatOptions. decimalSeparator	<i>string</i>	Global number format setting for thousand separators. This can also be used as an override option both in the render function call or in the JSRender template. Defaults to a comma.
numberFormatOptions. decimalPrecision	<i>int</i>	Global number format setting for thousand separators. This can be overridden by the helper methods in the JSRender template that are based on the same settings. Defaults to 2.
dateFormatOptions. dateTimeFormat	<i>string</i>	Global date format setting for a complete date and time string. This can be overridden by the helper methods in the JSRender template that are based on the same settings. Defaults to DD MMM YYYY HH:mm.
dateFormatOptions. dateFormat	<i>string</i>	Global date format setting for a date string. This can be overridden by the helper methods in the JSRender template that are based on the same settings. Defaults to 'DD MMM YYYY'.
dateFormatOptions. timeFormat	<i>string</i>	Global date format setting for a time string. This can be overridden by the helper methods in the JSRender template that are based on the same settings. Defaults to HH:mm.

AccessKey

All Cision modules have a unique identifier called AccessKey. Module access keys will be delivered by Cision and must be added to the settings file in a JSON object with the given module's name. This identifier is added to the API call to collect the correct data.

Newsfeed settings

These settings affect the Newsfeed module only. Other modules referencing the same Settings.js file are not affected.

Setting name	Type	Description
separateFirstRelease	<i>bool</i>	Gives the possibility to handle the first release separately. Defaults to false.
introMaxLength	<i>int</i>	Number to limit the amount of characters of the intro. This will truncate it at the given number and

		add three dots. Defaults to null which will display the full intro.
titleMaxLength	<i>int</i>	Number to limit the amount of characters of the title. This will truncate it at the given number and add three dots. Defaults to null which will display the full title.
newsfeedYearsStartYear	<i>int</i>	Sets the year to start from when filtering on years. Defaults to 1980 which will most likely make sure everything is included for everyone.
isCleanHtml	<i>Bool</i>	Makes the html contents more raw by stripping additions like style.

Translations

The delivery package comes with full translation support for Swedish, English and Finnish. The translation texts for each supported language reside in a JSON object in the file [Scripts/texts.js](#). The **uiLanguage** general setting decides which of these objects to use. Adding new language support or altering existing translations can be done by editing [Scripts/texts.js](#).

The supplied Scripts/test.js file provides partial support for German, Danish and Norwegian Bokmål.

Cision information types

The information type is selected by the user sending the release from Cision and the field is mandatory. These are used by Cision internally but can also be used for categorization by clients. Following are the possible information types and their names.

Name	Code
Annual Financial Statement	KMK
Annual report / Annual accounts	RDV
Company Announcement / Press release	PRM
Interim Report	RPT
Invitation	INB
Newsletter	NBR

Appendix A - Change Log XML Versions

Version No.	Change Type	Description of change	Date changed
V2.0	New feature	Boolean entity "IsRegulatory" has been added in the list and details feed.	2016-06-28
V2.1	New feature	Boolean entity "SuppressImageOnCisionWire" has been added in the list and details feed.	2017-02-03
V2.2	New Feature	Tags for files from Media Bank added	2019-09-28
V2.3	New Feature	New fields for MAR-Text called "LegalReference" and "HtmlLegalReference". (only visible for customers that have that setting activated) (for json only included in the body text like the older versions of XML)	
V2.4	New Feature	Support for XBRL esef format.	2020-11-27