BCR
Business Credit Reports Web Service Technical Specifications

November 2, 2015

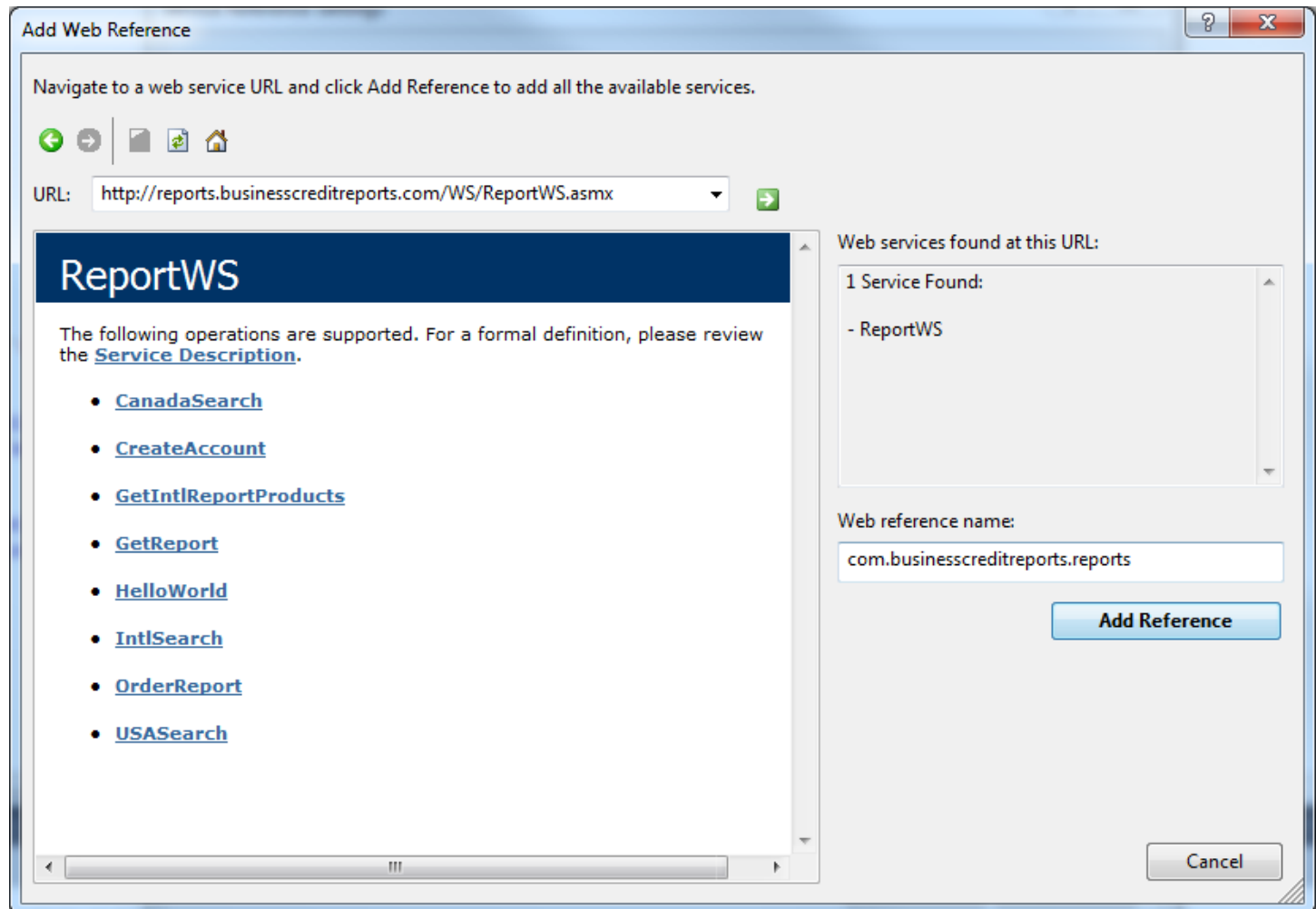# BCR

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Overview

URL: The web service is located at: reports.businesscreditreports.com/WS/ReportWS.asmx

If you are developing your client in a Microsoft .NET environment, you should be able to easily add a web reference to your project:

Clicking the "Add Reference" button in the above screen will create the proxy classes you can use to invoke the web service. For example, you can create the web service using the following VB.NET code:

```
Dim ws As New com.businesscreditreports.reports.ReportWS()
```

The web service will offer the following broad functionality:

1) USA company search
2) Canadian company search
3) International company search
4) Ordering of specific reports (i.e., "Advantage Report", "Commercial Score Report", "CLUE Report", etc.)
5) Downloading of previously ordered reports in HTML or PDF format.

The above functionality will be accomplished through the following web service methods:

- USASearch
- CanadaSearch
- IntlSearch
- OrderReport
- GetReport

Each of the above methods has a corresponding "Request" and "Response" object. For example, USASearch is called by filling out a USASearchRequest object and passing it to the web service's USASearch method. This method will return a USASearchResponse object.

Each "Response" object will contain a "CompletionCode" field indicating whether the request was successful (SUCCESS) or unsuccessful (ERROR). In the case of search requests, a third code (NO_RECORDS_FOUND) will indicate that no matching companies were found. If the "CompletionCode" field is set to ERROR there will be additional information in the "ErrorCode", "ErrorDescription", and "InternalErrorDescription" fields.

The only "unusual" method is OrderReport. This is due to the fact that certain reports (for example, the Commercial Credit Report and Commercial Score Report) may require an additional step to complete. This additional step occurs when the service determines that the report being ordered is for a publicly traded company that matches one or more companies in our stock ticker database. The possible matches from the stock ticker database will be returned in an intermediate step, and the user can select a matching ticker symbol. The report will then include any available financial statements for the company. For this reason, the OrderReportRequest object may have its "CompletionCode" field set to SELECT_COMPANY_TICKER. In this case, the client will need to display the additional information to the user, wait for a response, and make a second call to the OrderReport method with the "Stage" field set accordingly. A typical flow for ordering one of these reports will be something like this:

1. Place the initial report order by setting the relevant fields (such as the CompanyId previously retrieved from the USASearch method) and calling the web service's OrderReport method, setting the "Stage" field to BEGINNING.

2. The OrderReport method will return an OrderReportResponse object. If that object's "CompletionCode" field is set to SUCCESS, then the report has been created and no further action is necessary.

3. If the OrderReportResponse object's "CompletionCode" field is set to SELECT_COMPANY_TICKER, the response object will also contain a list of companies (and their stock ticker symbols) to display to the user (in the "CompanyTickers" array). This is included for the purposes of pulling financial statements (if available) on publicly traded companies. The client will need to allow the user to select a ticker, and re-invoke the OrderReport method, setting the "Stage" parameter to either "SELECT_TICKER" or "SKIP_TICKER" and "TickerSelection" to the ticker symbol the user selected (if any).

4. The OrderReport method will then return an OrderReportResponse object with "CompletionCode" set to SUCCESS or ERROR.

Each method and the fields in each Request and Response object are detailed below.

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Service Methods

All Methods

Overview: all web service methods require a standard set of parameters as well as parameters specific to each function. The parameters required in all request objects are detailed below:

Field Name (* indicates a required field)	Type	Notes
WSAccountName*	string	Your account name.
WSPassword*	string	Your account password.
UserId* *(not required for CreateAccount calls)*	string	This field indicates who the search/report is being requested for. This should be something that uniquely identifies that person in your system. *Note: this field is intended for resellers who are running all reports under a single account but still need to keep track of who a report was requested for. If this does not apply to you, you can simply put the same information in this field as the WSAccountName field.*
ReferenceId	string (255 characters max)	An optional string you can pass in that will be passed back in the output Response object.
Branch*	String (50 characters max)	This field must be a branch that is assigned to the WSAccountName account in our database. This field is important to billing because searches and reports run under a specific branch are grouped together on invoices. *Note: accounts created using the CreateAccount method will automatically be given a branch called "Main". Other branches can only be created in the Manage Account page at the reports.businesscreditreports.com website.*
TestMode	Boolean (default: false)	Set the TestMode flag to "true" if you want the web service to provide "canned" responses for purposes of testing the web service. For example, if TestMode is set to true, the USASearch request will return a

		single company called "TEST COMPANY" in the response. Note that whether or not your web service account is in "live" or "test" mode is partly controlled by the BCR server, and there is a separate server-side "mode" setting for each type of web service call, so it is possible for your account to be "live" for USA search and report ordering, for example, but still in "test" mode for Canadian or international company searches. If your account is set to "test" mode (on the server) for a particular type of call, this overrides the value of the TestMode flag in your request (i.e. setting TestMode. to "false" will have no effect; you will still receive canned responses).
ParentAccountName	string	If you are a BCR partner who wants to pull a report for a separate company account, you will pass the "other" company's user credentials as the normal "WSAccountName" and "WSPassword" fields listed above, but you will also need to set your own web service credentials here in the "ParentAccountName" and "ParentAccountPassword" fields. These "Parent" fields will only be used for the web service authentication step; any searches or reports run this way will be run under the other company's account and billed to them directly.
ParentAccountPassword	string	The password for the parent account (see ParentAccountName above).
WSUserId	String	For internal use only.
CustomerId	Integer	For internal user only.

All **response** objects received will contain the following fields, along with additional fields specific to their corresponding method.

Field Name	Type	Notes
ReferenceId	string	This will be the same **ReferenceId** string (if any) that was passed to the

		web service in the request method.
CompletionCode: 1 - SUCCESS 2 - ERROR 3 - NO_RECORDS_FOUND 4 - SELECT_COMPANY_TICKER	Enumeration	An enumeration indicating whether the request was successful or not, or whether additional information is required to complete the request. SUCCESS indicates that search results are available, or that a report was successfully generated. In an OrderReportResponse object, the value in the RequestId field can then be passed to the GetOrder method to retrieve the report. NO_RECORDS_FOUND indicates that search was successfully run, but no matching companies were located in the database. ERROR indicates a failed request, either because the supplied data was invalid (i.e. invalid password) or due to a problem returning the requested data. In either case, the ErrorCode, ErrorDescription, and InternalErrorDescription fields will contain additional information about the error (see below). In an OrderReportResponse object, SELECT_COMPANY_TICKER indicates that one or more company matches were found in BCR's stock ticker database and the user is being asked to select one if desired. This information will then be used to include the company's financial statements in the report (if available). The company matches are in the CompanyTickers array which is described in the OrderReportResponse documentation below.
ErrorCode	string	An internal error code. This will be set only if CompletionCode is set to ERROR.

ErrorDescription	string	A "user-friendly" error, i.e. "Invalid zip code." This will be set only if CompletionCode is set to ERROR.
InternalErrorDescription	string	A string providing more information on the source of the error (i.e. the "Message" field from an Exception object). This is generally not something you want to show the user. This field will be set only if CompletionCode is set to ERROR.

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USASearch

Overview: this method performs a basic company search on U.S. companies (only) and returns the results. At a bare minimum, the user must provide a company name and zip code.

Important note if you are ordering a TransUnion consumer report: For TransUnion consumer reports, you will fill out the Subject block in the request, instead of the company name/address information. TransUnion does not return "search results" per se, so the USASearch call will return only a SUCCESS or NO_RECORDS_FOUND response in the CompletionCode field, along with the SearchId field. If the SUCCESS result is returned, the SearchId is your report number and you can proceed to the GetReport call and simply put the SearchId value in the RequestId field. There is no need to call OrderReport unless the user wants to attach notes to their report. In that case, call OrderReport and pass it the SearchId parameter from the USASearch as normal, along with the notes in the "ReportNotes" field.

Important note if you are ordering an Experian consumer report:

1. For Experian consumer reports, the business owner's information is added using the "Subject" field. You can specify up to 3 additional business owners using the Subject2, Subject3, and Subject4 fields.

2. You should **not** call the USASearch method if you are running a Business Owner Profile report. In that case you will simply call OrderReport with the company name & address information, and the Subject field(s) filled out in the OrderReportRequest object.

Input: USASearchRequest

Field Name (* indicates a required field)	Type	Notes
Company*	string (40 characters max)	If you are running a TransUnion report, the Company field is not required (or used).
DBA	string (40 characters max)	
Address	string (40 characters max)	
City	string (30 characters max)	
State	string (2 characters max)	
Zip	string (5 characters max)	**Zip** is not required, but if it is not provided, then both **City** and **State** must be. (These fields are not required for TransUnion consumer reports.)
Phone	string (13 characters max)	
TaxId	string (9 characters max)	
ReportId *	integer	The ID of the report the user ultimately wants to run on the company (using OrderReport). This is required in order for the service to determine which search engine to use.

Subject	class	This is a structure of type USASearchSubject which is required for consumer reports. Fields marked with an asterisk below are required when performing a search request for a consumer report. Fields "Subject"-"Subject4" should not be specified for non-consumer reports.
FirstName *	String	
MiddleName	String	
LastName *	string	
Suffix	String	The suffix for the name, if any ("JR", "SR", "III", etc.)
Address *	string	
City *	String	
State *	String (2 characters max)	The 2-character state code.
Zip *	string	
SSN *	String	Social security number. This should contain numbers only (no hyphens). This field is NOT required for the Business Owner Profile or Blended Intelliscore Plus reports.
DOB *	Date	The subject's date of birth. This field is NOT required for the Business Owner Profile or Blended Intelliscore Plus reports.
Subject2	class	This is a structure of type USASearchSubject which is used for consumer reports that support more than 1 subject/business owner. See the "Subject" field above for details. Fields "Subject"-"Subject4" should not be specified for non-consumer reports.
Subject3	class	This is a structure of type USASearchSubject which is used for consumer reports that support more than 1 subject/business owner. See the "Subject" field above for details. Fields "Subject"-"Subject4" should not be specified for non-consumer reports.
Subject4	class	This is a structure of type USASearchSubject which is used for consumer reports that support more than 1 subject/business owner. See the "Subject" field above for details. Fields "Subject"-"Subject4" should not be specified for non-consumer reports.
PermissiblePurpose (* required for TransUnion consumer reports only):	Enumeration	Indicates the end user's legal purpose for pulling the consumer report. This is a required value when pulling a TransUnion consumer report and is

None CreditReportsForBusinessTransactions EmploymentScreening TenantScreening		forwarded to TransUnion. Note that certain values are not allowed for certain types of consumer reports. 1- CreditReportsForBusinessTransactions – a legitimate business need in connection with a business transaction that is initiated by the consumer. 2- EmploymentScreening – for employment purposes with written authorization. (Not a valid code for credit reports). 3- TenantScreening – in connection with a tenant screen application involving the consumer.
EndUser (* required for TransUnion consumer reports only)	string	The company name of the user who is requesting the report. This is an FCRA requirement and should be set to the end user's company name. This field is forwarded to TransUnion.

Output: USASearchResponse

Field Name	Type	Notes
SearchId	integer	A unique number for the search request which is stored in our database. You will need to include this in the **searchid** field when ordering a report - see below.
Companies	array	An array of USACompanyInfo objects. *If you are running a search for a consumer report, this array will not be populated!*
CompanyId	string	Unique identifier for the company. This will be passed to the OrderReport method.
BusinessName	string	
StreetAddress	string	
City	string	
State	string	
Zip	string	9-digit format (i.e. `200580001`)

Phone	string	
NumberOfTradeLines	integer	
LocationType	string	This will either be an empty string, or one of the following values: "Branch", "Not a branch", "Headquarters", "Single location"
PublicRecordDataIndicator	string	Either "Y" or "N", indicating whether or not public record data is available for this company.
CollectionIndicator	string	Either "Y" or "N", indicating whether or not collection data is available for this company.
UCCIndicator	string	Either "Y" or "N", indicating whether or not UCC data is available for this company.
ConfidenceCode	integer	A value from 0 to 10 indicating D&B's confidence in the match (10 indicating the highest confidence). **NOTE: this field is only populated when the ReportId in the search request object is for one of the following reports:** Quick Check D&B Trade Plus D&B Paydex Plus Equifax Plus Equifax Pro Trucking Plus D&B Paydex Plus Trucking D&B Viability Report Vendor Verification Report

USASearch error codes:

ErrorCode	ErrorDescription	InternalErrorDescription
CCR000		"Invalid username/password."
CCR001 (occurs when an exception occurs processing the request but prior to contacting Experian)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR002 (occurs when the web response code from Experian is not 200 (OK)).	"We were unable to process your request due to a network error."	Holds the web response code that was sent; i.e. 408 (Request Timeout)
CCR003 (occurs when an exception occurs during Experian request)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR010	"Company is required."	"Company is required."
CCR020	"You must specify either a zip code or both city and state."	"You must specify either a zip code or both city and state."
CCR030	"We were unable to process your request due to an internal error."	"User id is required."
CCR040	"We were unable to process your request due to an internal error."	"Invalid customer account."
CCR300	"We were unable to process your request due to an internal error."	"Invalid branch specified."
CCR670	Missing search subject.	'Subject' was not specified.
CCR680	Subject's first and last name are required.	Subject's first and last name are required.
CCR690	Subject's address is required.	Subject's address is required.
CCR700	Subject's city is required.	Subject's city is required.
CCR710	Subject's state is required.	Subject's state is required.
CCR720	Subject's zip code is required.	Subject's zip code is required.
CCR730	Subject's social security number is required.	Subject's SSN is required.
CCR740	Subject's date of birth is required.	Subject's DOB is required.
CCR750	We were unable to process your request due to an internal error.	The 'EndUser' field must be specified.
CCR760	We were unable to process your request due to an internal error.	The 'PermissiblePurpose' field must be set to something other than 'None' (0).
CCR770	We were unable to process your request due to an internal error.	The specified report does not support the number of Subject fields used.
Below is the list of Experian "action codes" that indicate problems with the data in the request (for example, the city is invalid). There are many more action codes than the ones I listed here, but these are the only ones that we have ever seen come back from Experian. I can provide the entire list in a separate document on request.		
4	"INVALID EXPERIAN FILE NUMBER"	
6	"MISSING CITY, STATE AND ZIP CODE"	
Continued…		

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USASearch error codes (cont.):

7	"INVALID STATE"	
10	"INVALID REQUEST TYPE"	
12	"Invalid Keyword Entered"	
26	"Subscriber is Denied Access"	
CCR005 (this should never normally occur; it's basically a 'catch-all' for anything not handled by one of the other codes)	"We were unable to process your request due to an internal error."	"Unknown"
CCR605	"Web agreement not signed."	"Web agreement not signed." *Note: the user must visit the Business Credit Reports website and sign the web agreement.*

CanadaSearch

Overview: this method performs a basic company search on Canadian companies (only) and returns the results.

Input: CanadaSearchRequest

Field Name (* indicates a required field)	Type	Notes
Company*	string (105 characters max)	
CivicNumber	string (10 characters max)	
Address*	string (25 characters max)	
City*	string (20 characters max)	
Province*	string (2 characters max)	A 2-letter code for the Canadian province: AB – Alberta BC – British Columbia MB – Manitoba NB – New Brunswick NF – Newfoundland NT – Northwest Territories NS – Nova Scotia NU – Nunavut ON – Ontario PE – Prince Edward Island PQ – Quebec SK – Saskatchwan YK - Yukon
PostalCode	string (6 characters max)	Do not include spaces.

Output: CanadaSearchResponse

Field Name	Type	Notes
SearchId	integer	A unique number for the request which is stored in our database. You will need to include this in the

		SearchId field when ordering a report - see below.
Companies	array	An array of CanadaCompanyInfo objects.
CompanyId	string	The unique identifier for the company. You will need to include this when ordering a report.
CompanyName	string	
Address	string	
City	string	
Province	string	
PostalCode	string	

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CanadaSearch error codes:

ErrorCode	ErrorDescription	InternalErrorDescription
CCR000		"Invalid username/password."
CCR001 (occurs when an exception occurs processing the request but prior to contacting Equifax)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR002 (occurs when the web response code from Equifax is not 200 (OK)).	"We were unable to process your request due to a network error."	Holds the web response code that was sent; i.e. 408 (Request Timeout)
CCR003 (occurs when an exception occurs during Equifax request)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR010	"Company is required."	"Company is required."
CCR030	"We were unable to process your request due to an internal error."	"User id is required."
CCR040	"We were unable to process your request due to an internal error."	"Invalid customer account."
CCR050	"Address is required."	"Address is required."
CCR060	"City is required."	"City is required."
CCR070	"Province is required."	"Province is required."
CCR300	"We were unable to process your request due to an internal error."	"Invalid branch specified."
Below is the list of Equifax Canada error codes that indicate problems with the data in the request (for example, the city is invalid). There are many more error codes than the ones I listed here, but these are the only ones that we have ever seen come back from Equifax. I can provide the entire list in a separate document on request.		
E0809	"We were unable to process your request due to an internal error."	"Commercial system unavailable"
E0813	"We were unable to process your request due to an internal error."	"Commercial system unavailable"
E0816	"We were unable to process your request due to an internal error."	"The requested information file is too big to be process."
EV351	"Invalid business name"	"Invalid business name"
EV360	"Invalid civic number"	"Invalid civic number"
EV370	"Invalid street name"	"Invalid street name"
EV402	"Invalid city name or province code"	"Invalid city name or province code"
EV406	"Postal code or partial postal code not found"	"Postal code or partial postal code not found"
CCR005 (this should never normally occur; it's basically a 'catch-all' for anything not handled by one of the other codes)	"We were unable to process your request due to an internal error."	"Unknown"
CCR605	"Web agreement not signed."	"Web agreement not signed." *Note: the user must visit the Business Credit Reports website and sign the web agreement.*

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IntlSearch

Overview: this method performs a basic company search on international companies (excluding U.S. and Canada) and returns the results.

Input: IntlSearchRequest

Field Name (* indicates a required field)	Type	Notes
MatchType*	integer	Indicates the type of search you want to perform. Values are: 0 - search by company identifier 1 – search by company keyword 2 – search by company name 3 – search by postal code Note that not all countries support all search types. A list of countries and the search types supported will be sent in a separate email.
Input*	string	This is the main identifier for the company and is required for all MatchType values.
City	string	An optional city field. This field is only supported for certain combinations of MatchType and Country. A list of countries that support this combination will be sent in a separate email.
PostalCode	string	An optional PostalCode field. This field is only supported for certain combinations of MatchType and Country. A list of countries that support this combination will be sent in a separate email. Note: if you are using the "search by postal code" match type (3), you should put the postal code in the "Input" field, not here.
Country*	String	A list of supported countries will be sent in a separate email.

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Output: IntlSearchResponse

Field Name	Type	Notes
SearchId	integer	A unique number for the request which is stored in our database. You will need to include this in the **SearchId** field when ordering a report - see below.
Companies	array	An array of IntlCompanyInfo objects.
CompanyId	string	The unique identifier for the company. You will need to include this when requesting a list of products available for a company (see "GetIntlReportProducts" below).
CompanyName	string	
Building	string	
Address	string	
City	string	
County	string	
PostalCode	string	
Country	string	

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IntlSearch error codes:

ErrorCode	ErrorDescription	InternalErrorDescription
CCR000		"Invalid username/password."
CCR001 (occurs when an exception occurs processing the request but prior to contacting the int'l search provider)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR002 (occurs when the web response code from the int'l search provider is not 200 (OK)).	"We were unable to process your request due to a network error."	Holds the web response code that was sent; i.e. 408 (Request Timeout)
CCR003 (occurs when an exception occurs during the request)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR010	"Company is required."	"Company is required."
CCR030	"We were unable to process your request due to an internal error."	"User id is required."
CCR040	"We were unable to process your request due to an internal error."	"Invalid customer account."
CCR300	"We were unable to process your request due to an internal error."	"Invalid branch specified."
CCR610	"Invalid match type."	"Invalid match type."
CCR620	"Country is required."	"Country is required."
CCR630	"Company identifier is required."	"Company identifier is required."
CCR640	"Company keyword is required."	"Company keyword is required."
CCR650	"Postal code is required."	"Postal code is required."

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GetIntlReportProducts

Overview: this method retrieves the available products for the specified company and report type.

Input: GetIntlReportProductsRequest

Field Name (* indicates a required field)	Type	Notes
CompanyId*	string	This is the CompanyId field of an IntlCompanyInfo object retrieved from a prior IntlSearch call.
ReportId*	integer	This should be the report ID of the report the user ultimately wants to run. If an XML report is being requested, GetIntlReportProductsRequest will only return immediate (i.e. online) XML products.

Output: GetIntlReportProductsResponse

Field Name	Type	Notes
Products	array	An array of IntlReportProduct objects.
ReportName	string	This is a human-readable description of the product.
ProductIdent	string	This is the unique identifier for the product. You will need to pass this to the OrderReport method.
Speed	integer	Indicates whether a report is available immediately (online), or whether it will be researched and the report delivered at a later date. **Currently the web service only support immediate reports (3).** The possible values are: 0 – normal (researched) 1 – Express (researched) 2 – Superflash (researched) 3 – Immediate (online) 4 – Immediate w/update (online, with a researched report to follow

		later)
Level	integer	Indicates the detail level of the report.
Code	integer	
Mime1-Mime4	integer	These 4 fields contain the mime types available for the product. Not all products support all mime types. If an XML report was passed as the ReportId field in the request object, this field will only contain mime type 1 (XML). Possible values are: 0 – HTML 1 – XML 2 – PDF 3 – DOC 4 – NONE (not available)

GetIntlReportProducts error codes:

ErrorCode	ErrorDescription	InternalErrorDescription
CCR000		"Invalid username/password."
CCR001 (occurs when an exception occurs processing the request but prior to contacting the int'l search provider)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR002 (occurs when the web response code from the int'l search provider is not 200 (OK)).	"We were unable to process your request due to a network error."	Holds the web response code that was sent; i.e. 408 (Request Timeout)
CCR003 (occurs when an exception occurs during the request)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR090	"We were unable to process your request due to an internal error."	"Invalid 'ReportId'."
CCR630	"Company identifier is required."	"Company identifier is required."

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OrderReport

Overview: this method requests a specific report, using the CompanyId provided by the search results from a previous USASearch or CanadaSearch request. Note that OrderReportResponse does NOT contain the actual report. It only contains an identifier that can be passed to the GetReport method to retrieve the actual report HTML/PDF.

Note: if you are ordering a TransUnion report, the Company-related fields do not need to be filled out.

Input: OrderReportRequest

Field Name (* indicates a required field)	Type	Notes
ReportId*	integer	A numeric identifier for the particular report you are requesting (a list of these codes will be sent at a later point).

Stage
 	
    0 - BEGINNING
 	
    1 - SELECT_TICKER
 	
    2 - SKIP_TICKER
	enumeration	This field should be set to BEGINNING for the initial report order request. Set this field to SELECT_TICKER or SKIP_TICKER when responding to an OrderReportResponse object that has its CompletionCode field set to SELECT_COMPANY_TICKER.

CompanyId (* only required if "Stage" is BEGINNING)	string	The **CompanyId** of the company the user selected from a prior USASearch or CanadaSearch. This field is NOT used when running an Experian "Business Owner Profile" report (you do not run USASearch for that report).
CompanyName (* only required if "Stage" is BEGINNING)	string	Set this to the CompanyName of the company the user selected from a prior USASearch or CanadaSearch.
CompanyAddress (* only required if "Stage" is BEGINNING)	string	Set this to the Address of the company the user selected from a prior USASearch or CanadaSearch.
CompanyCity (* only required if "Stage" is BEGINNING)	string	Set this to the City of the company the user selected from a prior USASearch or CanadaSearch.
CompanyState (* only required if "Stage" is BEGINNING)	string	Set this to the State (or Province) of the company the user selected from a prior USASearch or CanadaSearch.
CompanyZip (* only required if "Stage" is BEGINNING)	string	Set this to the Zip (or PostalCode) of the company the user selected from a prior USASearch or CanadaSearch.

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CompanyCountry (* only required if "Stage" is BEGINNING)	string	Set to "United States" or "Canada" as appropriate.
IncludeUCCFilings	Boolean (default: false)	If this is set to true, the report will include UCC filing details. If set to false, only a summary of UCC filings will appear (if available).
ReportNotes	string (1,000 characters max)	Anything included in the **ReportNotes** field will be displayed at the bottom of the report (and is stored along with the report).
SearchId (* only required if "stage" is BEGINNING)	integer	The **SearchId** field from the prior USASearchResponse or CanadaSearchResponse (this field is required for billing purposes). This field is NOT used when running an Experian "Business Owner Profile" report (you do not run USASearch for that report).
RequestId (* only used if "Stage" is SELECT_TICKER or SKIP_TICKER)	integer	This <u>must</u> match the RequestId from the OrderReportResponse object.
TickerSelection (* only required if "Stage" is SELECT_TICKER)	string	The **Ticker** symbol the user selected from one of the CompanyTicker objects in the previous OrderReportResponse.
CreditCardInfo*	PaymentInfo object	*Required only for pay-per-report accounts.
FirstName*	String	First name as it appears on the credit card.
LastName*	string	Last name as it appears on the credit card.
Address*	string	
Address2	string	
City*	String	
State*	String (2 characters max)	
Zip*	String (10 characters max)	

CardType*
      VISA
      MASTERCARD
	enumeration	

CardNumber*	string	

CardExpirationMonth*	String (2 character max)	The 2-digit month (i.e. "01")
CardExpirationYear*	String (4 characters max)	The 4-digit year (i.e. "2011")
SecurityCode*	string	
Product *	IntlReportProductSelection object	* Required only for international report orders.
ProductIdent	string	The product identifier for the product previously retrieved from GetIntlReportProducts.
Speed	Integer	The "speed" value for the product previously retrieved from GetIntlReportProducts.
Level	integer	The "level" value for the product previously retrieved from GetIntlReportProducts.
Code	integer	The "Code" value for the product previously retrieved from GetIntlReportProducts.
Mime	Integer	The mime type for the report being requested. This should be one of the 4 mime type values for the product previously retrieved from GetIntlReportProducts.
Subject	class	This is a structure of type USASearchSubject which is required for consumer reports. Fields marked with an asterisk below are required when performing a search request for a consumer report. Fields "Subject"-"Subject4" should not be specified for non-consumer reports.
FirstName *	String	
MiddleName	String	
LastName *	string	
Suffix	String	The suffix for the name, if any ("JR", "SR", "III", etc.)
Address *	string	
City *	String	
State *	String (2 characters max)	The 2-character state code.

Zip *	string	
SSN *	String	Social security number. This should contain numbers only (no hyphens). This field is NOT required for the Business Owner Profile or Blended Intelliscore Plus reports.
DOB *	Date	The subject's date of birth. This field is NOT required for the Business Owner Profile or Blended Intelliscore Plus reports.
Subject2	class	This is a structure of type USASearchSubject which is used for consumer reports that support more than 1 subject/business owner. See the "Subject" field above for details. Fields "Subject"-"Subject4" should not be specified for non-consumer reports.
Subject3	class	This is a structure of type USASearchSubject which is used for consumer reports that support more than 1 subject/business owner. See the "Subject" field above for details. Fields "Subject"-"Subject4" should not be specified for non-consumer reports.
Subject4	class	This is a structure of type USASearchSubject which is used for consumer reports that support more than 1 subject/business owner. See the "Subject" field above for details. Fields "Subject"-"Subject4" should not be specified for non-consumer reports.

Output: OrderReportResponse

Field Name	Type	Notes
RequestId	integer	A unique number for the request which is stored in our database.
CompanyTickers	array	An array of CompanyTicker objects to display to the user.
Ticker	string	The ticker symbol for the company. You will need to set this value into the CompanyId field of the OrderReportRequest object when calling OrderReport with the "stage" set to SELECT_TICKER.

CompanyName	string	
Address	string	This will contain the complete address including city, state, zip.

OrderReport error codes:

ErrorCode	ErrorDescription	InternalErrorDescription
CCR000		"Invalid username/password."
CCR001 (occurs when an exception occurs processing the request but prior to contacting Equifax)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR002 (occurs when the web response code from Equifax is not 200 (OK)).	"We were unable to process your request due to a network error."	Holds the web response code that was sent; i.e. 408 (Request Timeout)
CCR003 (occurs when an exception occurs during Equifax request)	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR010	"Company is required."	"Company is required."
CCR030	"We were unable to process your request due to an internal error."	"User id is required."
CCR040	"We were unable to process your request due to an internal error."	"Invalid customer account."
CCR050	"Address is required."	"Address is required."
CCR060	"City is required."	"City is required."
CCR070	"Province is required."	"Province is required."
CCR080	"We were unable to process your request due to an internal error."	"Invalid 'Stage'."
CCR090	"We were unable to process your request due to an internal error."	"Invalid 'ReportId'."
CCR100	"We were unable to process your request due to an internal error."	"Invalid 'RequestId'."
CCR110	"We were unable to process your request due to an internal error."	"Invalid 'SearchId'."
CCR120	"We were unable to process your request due to an internal error."	"New report was requested but existing 'RequestId' was specified.""
CCR130	"We were unable to process your request due to an internal error."	"New report was requested but 'CompanyId' was not specified."
CCR140	"We were unable to process your request due to an internal error."	"New report was requested but 'Company' was not specified."
CCR150	"We were unable to process your request due to an internal error."	"New report was requested but 'Address' was not specified."
CCR160	"We were unable to process your request due to an internal error."	"New report was requested but 'City' was not specified."
CCR170	"We were unable to process your request due to an internal error."	"New report was requested but 'State' was not specified."
CCR180	"We were unable to process your request due to an internal error."	"New report was requested but 'Zip' was not specified."

ErrorCode	ErrorDescription	InternalErrorDescription
CCR190	"We were unable to process your request due to an internal error."	"New report was requested but 'Country' was not specified."
CCR210	"We were unable to process your request due to an internal error."	"'RequestId' was not specified."
CCR220	"We were unable to process your request due to an internal error."	"'CompanyId' was not specified."
CCR300	"We were unable to process your request due to an internal error."	"Invalid branch specified."
The error codes below apply only to customer accounts that are required to submit credit card information per report.		
CCR490	"Credit card information was not supplied"	"Credit card information was not supplied."
CCR500	"Missing credit card information: first name is required."	"Missing credit card information: first name is required."
CCR510	"Missing credit card information: last name is required."	"Missing credit card information: last name is required."
CCR520	"Missing credit card information: address is required."	"Missing credit card information: address is required."
CCR530	"Missing credit card information: city is required."	"Missing credit card information: city is required."
CCR540	"Missing credit card information: state is required."	"Missing credit card information: state is required."
CCR550	"Missing credit card information: zip code is required."	"Missing credit card information: zip code is required."
CCR560	"Missing credit card information: card type is required."	"Missing credit card information: card type is required."
CCR570	"Missing credit card information: card number is required."	"Missing credit card information: card number is required."
CCR580	"Missing credit card information: card expiration month is required."	"Missing credit card information: card expiration year is required."
CCR590	"Missing credit card information: security code is required."	"Missing credit card information: security code is required."
CCR600	"Invalid credit card type."	"Invalid credit card type."
CCR601	"The Credit Card Number supplied in the authorization request appears to be invalid."	"Credit Card Number Invalid"
CCR602	"The Credit Card Expiration Date supplied in the authorization request appears to be invalid."	"Exp Date Invalid"
CCR603	"This credit card has been declined."	A string containing the reason for the decline, i.e. "Declined: Invalid Card", or "Declined: Expired Card"
CCR604	"The system is unable to process credit card transactions at this time."	A string containing additional information. *Note: This is a catch-all for any credit card processing error other than the ones listed*

		above. For example, if the credit card processing system is unreachable.
CCR605	"Web agreement not signed."	"Web agreement not signed." *Note: the user must visit the Business Credit Reports website and sign the web agreement.*
CCR660	"We were unable to process your request due to an internal error."	"'Product' was not specified."
CCR770	We were unable to process your request due to an internal error.	The specified report does not support the number of Subject fields used.

GetReport

Overview: this method is used to retrieve a previously ordered report in HTML or PDF format.

Input: GetReportRequest

Field Name (* indicates a required field)	Type	Notes
RequestId*	string (105 characters max)	This is the RequestId field from the OrderReportResponse object of a prior successful report order request.
BlackAndWhite	Boolean (default: false)	A value indicating whether the report should be in black & white.
AllUCCs	Boolean (default: false)	For reports that display UCC filings, only the first 10 filings are included by default. If this value is set to True, it indicates that the user wants all UCC filing details included in the report. This value is only meaningful if IncludeUCCFilings was set to true when the report was originally ordered.
ReportFormat HTML (see notes) PDF XML	Enumeration	The requested report format. The default is PDF. If HTML is specified, the "HTML" field in the response object is a URL from which you can pull an HTML version of the report, *not the HTML of the report itself*. XML is only valid for certain reports – please contact BCR for more information.

Output: GetReportResponse

Field Name	Type	Notes

PDF	Byte array	An array of bytes representing the PDF file. Only valid if ReportFormat is set to PDF in the GetReportRequest object.
HTML	String	A string containing the URL from which an HTML version of the report can be retrieved. Only valid if ReportFormat is set to HTML in the GetReportRequest object.
XML	String	A string containing the report XML. Only valid if ReportFormat is set to XML in the GetReportRequest object.

GetReport error codes:

ErrorCode	ErrorDescription	InternalErrorDescription
CCR000		"Invalid username/password."
CCR030	"We were unable to process your request due to an internal error."	"User id is required."
CCR040	"We were unable to process your request due to an internal error."	"Invalid customer account."
CCR100	"We were unable to process your request due to an internal error."	"Invalid 'RequestId'."
CCR230	"You are not authorized to access the requested report."	"Your account does not match the account that was used to run the requested report."
CCR240	"You are not authorized to access the requested report."	"'UserId' does not match the UserId specified during the prior OrderReport call.
CCR250	"The requested report does not appear to be valid."	
CCR260	"We were unable to process your request due to an internal error."	"Error generating PDF file."
CCR270	"We were unable to process your request due to an internal error."	"Error generating HTML."
CCR280	"We were unable to process your request due to an internal error."	"Timeout generating HTML."
CCR290	"We were unable to process your request due to an internal error."	Holds the "Message" field of the exception that was thrown.
CCR300	"We were unable to process your request due to an internal error."	"Invalid branch specified."

If you have questions about the web service, corrections for this document or need code samples (only available for VB.NET) please contact pwinant@tolchin.net.