

Integration Specification Document WATHIQ Services

Version 3.1



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WATHIQ services is a web service that's provided and powered by THIQAH business Co. Through WATHIQ services you will be able to verify any commercial record in a real time with the Ministry of Commerce and Industry "MCI" in Saudi Arabia. WATHIQ will provide you with most of the Commercial Record "CR" information for both companies and establishments including the ownerships, mangers and partners. WATHIQ services can help you to verify any identification number if he/ she is an owner or partner in any Commercial Record "CR".

Service Operations.

1. Retrieve the Commercial Record "CR" information.

1.1. Brief description.

This service will return most of the Commercial Record "CR" data from the Ministry of Commerce and Industry "MCI". The service receives the commercial number as an input.

1.2. Service specifications.

Operation name	GetCRDataByCR								
			Inpu	t					
Field	Datatype		Size	Mandatory					
CrNo	String	Commercial record r	number.			10	True		
Output									
Field	Datatype			Description			Mandatory		
		Field	Datatype	Description	Size	Mandatory			
		CR	string	Input CR number	10	True			
		Name	string	CR Name	100	True			
		CRNationalNO	string	CR Nationality	10	False			
		CRLocationID	int	CR Issue location code *	5	True			
		CRLocation	string		50	True			
		CreationDate	string	Hijri yyyyMMdd	8	True			
		ExpiredDate	string	Hijri yyyyMMdd	8	True			
		IsMain	bool	Is main CR	-	True			
		BusType	string	CR Business type *	50	True			
CrInformation	object	BusTypeID	int	CR Business type code *	5	True	True		
		Activities	string	CR activates	360	False			
		Capital	Double	CR capital	20	False			
		Address	string	CR address	100	False			
		POBOX	string	CR P.O Box	10	False			
		ZipCode	string	CR ZIP code	10	False			
		PhoneNumber	string	CR contact number	20	False			
		Fax	string	CR fax number	20	False			
		Status	string	CR Status *	20	True			
		* Has a lookup tal	ble						



2. Retrieve the Commercial Record "CR" mangers.

2.1. Brief description.

The service will return a list of mangers for the CR. Each item of the list will return the person information.

2.2. Service specifications.

Operation name	GetManagersByCR							
			Input					
Field	Datatype		Descrip	otion		Size	Mandatory	
CrNo	String	Commercial reco	Commercial record number. 10					
			Output					
Field	Datatype			Description			Mandatory	
		Field	Datatype	Description	Size	Mandatory		
		ID	string	Identification Number	10	False		
		CR	string	Input CR number	10	True		
		Name	string	Person Arabic Name	75	True		
PersonManagerInformation	List of	IDIssueDate	string	Hijri yyyyMMdd	8	False	True	
	object	Nationality	string	Nationality *	30	True		
		NationalityID	int	Nationality code *	5	True		
		BirthYear	string	Hijri yyyy	4	True		
		* Has a lookup	table					



3. Retrieve Commercial Registration "CR" owners.

3.1. Brief description.

This services will return a list of owner or partners for CR. Each item of the list contains the person information and the relation to that CR.

3.2. Service specifications.

Operation name	GetOwner	GetOwnershipsByCR								
Input										
Field	Datatype	Description Size								
CrNo	String	Commercial recor	Commercial record number. 10							
	Output									
Field	Datatype			Description				Mandatory		
		Field	Datatype	Description	Size	Mar	ndatory			
		ID	string	Identification Number	10	F	alse			
			CR	string	Input CR number	10	T	Γrue		
			Name	string	Person Name	75	1	Γrue		
		IDIssueDate	string	Hijri yyyyMMdd	8	F	alse			
PersonInformation	List of	Nationality	string	Nationality *	30	1	Γrue	True		
reisonimormation	object	NationalityID	int	Nationality code *	5	1	Γrue	True		
		BirthYear	string	Hijri yyyy	4	F	alse			
		RelationName	string	Relation name *	100	1	Γrue			
		RelationID	int	Relation code *	5	1	Γrue			
	* Has a lookup	table								



4. Retrieve Commercial Records "CR" by identification number.

4.1. Brief description.

The service will return a list of CR's which related to the identification number. Each item of the list will return the person relation to the CR in addition to the CR business type.

4.2. Service specifications.

Operation name	GetCRsByI	GetCRsByID								
Input										
Field	Datatype		Desci	ription		Size	Mandatory			
ID	String	Identification num	ber			10	True			
			Out	tput						
Field	Datatype			Description			Mandatory			
CrListInfo	List of object	Field ID CR RelationName RelationID BusType BusTypeID * Has a lookup t	Datatype string string string int string int	Description Input ID number Commercial record number. Relation name * Relation code * Business type * Business type code *	Size 10 10 100 5 100 5	Mandatory True True True True True True True True	True			



5. Retrieve related Commercial Records "CR" by CR number Main/branch.

5.1. Brief description.

The service will return all related CR's for the input. Whether the input CR is main or branch the response will contains all related CR's including the input.

5.2. Service specifications.

Operation name	GetRelatedCRsByCR									
	Input									
Field	Datatype		Description Size							
CrNo	String	Commercia	Commercial record number. 10							
	Output									
Field	Datatype			Description			Mandatory			
		Field	Datatype	Description	Size	Mandatory				
CrRelatedInfo	List of	CR	string	Commercial record number.	10	True	T			
Crkelatedinio	object	IsMain	bool	is Main CR	-	True	True			



6. Retrieve the status of ownership for Commercial Record "CR".

6.1. Brief description.

The service will return the status of ownership (owner/ partner) for any CR whether it's company or establishment by the identification number.

6.2. Service specifications.

Operation name	HasCRByID									
	Input									
Field	Datatype		De	escription		Size	Mandatory			
ID	String	Identification	n Number			10	True			
			0	utput						
Field	Datatype			Description			Mandatory			
		Field	Datatype	Description	Size	Mandatory				
HasCRResponse	object	IsFound	bool	Ownership Status	-	True	True			

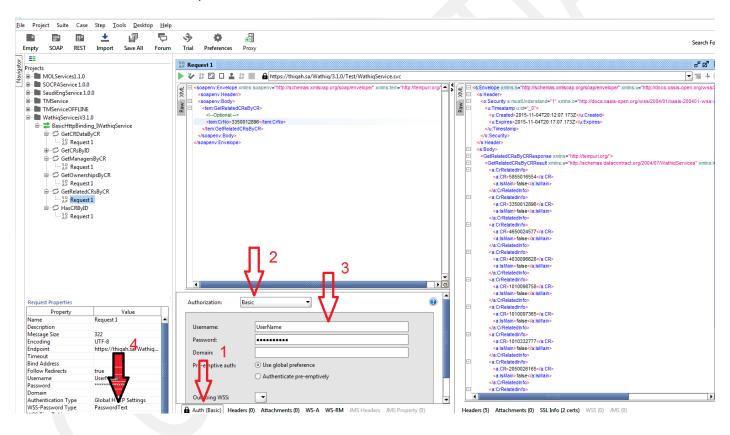


1. Service security.

The service is using WS-Security "WSS" header for SOAP massages to supply the consumer credentials. The messages will be transferred over HTTPS protocol to ensure the channel security. Although the service will be public over the internet, but the requests will be restricted only from the consumers public IP's. As an additional security the online WSDL file will be disabled and will be sent to the consumer directly.

2. Sample, how to call WATHIQ services.

Since this service will be called from different platforms. Following is snapshot from one of the most popular software SOAPUI to explain how to call the services.





3. Error mechanism.

The service will return a custom error structure for any kind of errors whether functional or technical. The error response will contain the custom error structure in the detail tag which will be found inside the body tag. The custom structure will include the following

- Error code.
- Error message.
- Business message in Arabic.
- Business message in English.
- Unique reference ID.

4. Error codes and description.

Code	Description EN	Description AR	Operation Name
EAI-402	Insufficient Balance	لا يتوفر لديك رصيد كافي	All operations
EAI-403	Permission Denied	لا تمتلك الصلاحية	All operations
			GetOwnershipsByCR,
			GetCRsByID,
EAI-404	No data found	لا يوجد بيانات	GetRelatedCRsByCR,
			GetManagersByCR,
			GetCRDataByCR
EAI-500	Internal Server Error	خطأ عام	All operations
EAI-901	Wrong Data	خطآ في البيانات المدخلة	All operations