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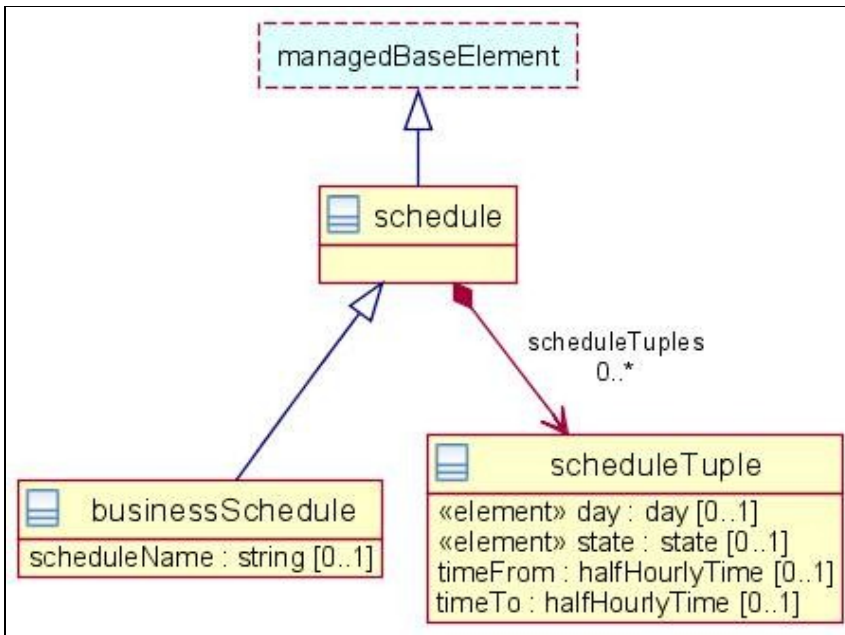
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Business Schedule and Holidays

Classes

Figure 9: Business Schedule



Day

Class Name	Day (Enumeration Class)
Extends From	
Description	Enumeration for days of the week.
XML Namespace	http://schedule.model.rest.aesop.cisco.com
Enum Values	SUN, MON, TUE, WED, THU, FRI, SAT, MON_FRI, SAT_SUN, ALL

HalfHourlyTime

Class Name	HalfHourlyTime (Enumeration Class)
Extends From	
Description	Enumeration for dividing 24 Hour day into half hourly slots.
XML Namespace	http://schedule.model.rest.aesop.cisco.com
Enum Values	T_0000 (00:00Hrs), T_0030 (00:30Hrs), T_0100 (01:00Hrs)
	...
	...
	T_2300 (23:00Hrs), T_2330 (23:30Hrs), T_2400 (00:00Hrs)

State

Class Name	State (Enumeration Class)
Extends From	
Description	Enumeration for denoting the state during a given schedule slot. In the context of business schedule it denotes the open or close state.
	http://schedule.model.rest.aesop.cisco.com

XML Namespace	
Enum Values	ACTIVE (business is open), INACTIVE (business is closed)

ScheduleTuple

Class Name	ScheduleTuple		
Extends From	BaseElement		
Description	Class representing a single record in the business hour schedule.		
XML Namespace	http://schedule.model.rest.aesop.cisco.com		
Enum Values	ACTIVE (business is open), INACTIVE (business is closed)		
Field Name	Type	Constraints	Comments
day	Day		Day of the week to which this tuple applies. The day could be a range value like ALL or MON_FRI or and individual day of the week.
timeFrom	HalfHourlyTime		The start time of the time range.
timeTo	HalfHourlyTime		The end time of the time range.
state	State		Mark the time range represented by this tuple as open (Active) or closed (Inactive).

BusinessSchedule

Class Name	BusinessSchedule		
Extends From	Schedule		
Description	Class representing business hours schedule (open and close hours).		
XML Namespace	http://bschedule.model.rest.aesop.cisco.com		
Enum Values	ACTIVE (business is open), INACTIVE (business is closed)		
Field Name	Type	Constraints	Comments
scheduleName	String	Length 2 -64	Schedule name
scheduleTuples	Collection <ScheduleTuple>		

		Collection of tuples indicating open and close hours.
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Holiday

Class Name	Holiday		
Extends From	ManagedBaseElement		
Description	Class representing a business holiday.		
XML Namespace	http://holiday.model.rest.aesop.cisco.com		
Field Name	Type	Constraints	Comments
mmdd	String		Holiday month and day
year	String	Year must be specified as "fixed" or as yyyy. Value could be current -1, current or current + 1 year).	Holiday year
description	String		Holiday description

Resources

Resource URI	Operation	Input	Return Value
/businessSchedules	GET (read all business schedules defined)		BaseElementList Containing list of BusinessSchedule objects.
	POST (define a new business schedule)	BusinessSchedule	
/businessSchedules/{schedulesname}	GET (read a business schedule)		BusinessSchedule
	PUT (update a business schedule)	BusinessSchedule	
	DELETE (delete a business schedule)		
/holidays	GET (Read all holidays defined)		BaseElementList Containing list of Holiday objects.
/holidays/fixed	GET (Read all fixed holidays defined)		BaseElementList Containing list of Holiday objects.
	POST (Create a fixed holiday)	Holiday	
/rest/holidays/fixed/(mmdd)	GET (Define a new fixed holiday for date mmdd)		Holiday
		Holiday	

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	PUT (Update a fixed holiday)		
	DELETE (Delete a fixed holiday)		
/holidays/{yyyy}	GET (Read all holidays defined for a given year yyyy)		BaseElementList Containing list of Holiday objects.
	POST (Create a holiday in a given year)	Holiday	
/rest/holidays/{yyyy}/{mmdd}	GET (Define a new holiday for a given year yyyy and date mmdd)		Holiday
	PUT (Update a holiday)	Holiday	
	DELETE (Delete a holiday)		