ScheduledInstructions

Entity - ScheduledInstructions - Interrogates the ScheduledInstruction table

Page version: 22, last updated: 8:45PM, 25-Sep-20

Verb	Request	Notes	Permissions required

GET	Consumer /ScheduledInstructions/	Gets all scheduled instructions
		
		Note: For an explanation of the possible values of the ScheduleXxx parameters, see https://docs.microsoft.com/en-us/sql/relational-databases/system-tables/dbo-sysschedules-transact-sql
		
		Not every possible combination of values for these parameters will be initially implemented in Tachyon.
		
		Returned JSON
		
		`[`
		`  {`
		`    "Id": 4,`
		`    "Name": "Stable-CountEventLogErrorsInLastX",`
		`    "Cmd": "SendAll",`
		`    "KeepRaw": false,`
		`    "Scope": null,`
		`    "ReadableScope": null,`
		`    "InstructionTtlMinutes": 10,`
		`    "ResponseTtlMinutes": 10,`
		`    "Export": false,`
		`    "ExportLocation": null,`
		`    "ParentInstructionId": null,`
		`    "InstructionDefinitionId": 42347,`
		`    "CreatedBy": "1E\\Alberto.Poblacion",`
		`    "ResultsFilter": null,`
		`    "PreviousResultsFilter": null,`
		`    "ConsumerId": 1,`
		`    "ConsumerName": "Explorer",`
		`    "ConsumerCustomData": null,`
		`    "ParameterJson": "[{\"Name\":\"type\",\"Pattern\":`
		`\"%type%\",\"DataType\": ... }]",`
		`    "OffloadResponses": false,`
		`    "RequestedFor": null,`
		`    "Comments": "Just testing from PostMan",`
		`    "ActionedBy": null,`
		`    "ActionReason": null,`
		`    "ScheduleEnabled": true,`
		`    "ScheduleFreqType": 4,`
		`    "ScheduleFreqInterval": 1,`
		`    "ScheduleFreqSubdayType": 1,`
		`    "ScheduleFreqSubdayInterval": 1,`
		`    "ScheduleFreqRelativeInterval": 0,`
		`    "ScheduleFreqRecurrenceFactor": 0,`
		`    "ScheduleActiveStartDate": null,`
		`    "ScheduleActiveEndDate": null,`
		`    "ScheduleActiveStartTime": null,`
		`    "ScheduleActiveEndTime": null,`
		`    "ScheduleDateCreated": "2017-05-09T14:53:51.19Z",`
		`    "ScheduleDateModified": "2017-05-09T14:53:51.157`
		`Z",`
		`    "ScheduleLastExecuted": null,`
		`    "ScheduleNextExecution": "2017-05-10T14:53:51.163`
		`Z"`
		`  }`
		`]`
			None

GET - single	/Consumer /ScheduledI nstructions/ {id}	Gets an individual row from the ScheduledInstruction table by its Id.	• Viewer • Questioner • Actioner • Approver

Gets an individual row from the ScheduledInstruction table by its Id.

• Viewer
• Questioner
• Actioner
• Approver

Returns Unauthorized (401) if user does not have the required permissions at global level or on the parent InstructionDefinition's product pack.

Example Response

```
{
  "Id": 4,
  "Name": "Stable-CountEventLogErrorsInLastX",
  "Cmd": "SendAll",
  "KeepRaw": false,
  "Scope": null,
  "ReadableScope": null,
  "InstructionTtlMinutes": 10,
  "ResponseTtlMinutes": 10,
  "Export": false,
  "ExportLocation": null,
  "ParentInstructionId": null,
  "InstructionDefinitionId": 42347,
  "CreatedBy": "1E\\Alberto.Poblacion",
  "ResultsFilter": null,
  "PreviousResultsFilter": null,
  "ConsumerId": 1,
  "ConsumerName": "Explorer",
  "ConsumerCustomData": null,
  "ParameterJson": "[{\"Name\":\"type\",\"Pattern\":
\"%type%\",\"DataType\":\"string\", ... }]",
  "OffloadResponses": false,
  "RequestedFor": null,
  "Comments": "Just testing from PostMan",
  "ActionedBy": null,
  "ActionReason": null,
  "ScheduleEnabled": true,
  "ScheduleFreqType": 4,
  "ScheduleFreqInterval": 1,
  "ScheduleFreqSubdayType": 1,
  "ScheduleFreqSubdayInterval": 1,
  "ScheduleFreqRelativeInterval": 0,
  "ScheduleFreqRecurrenceFactor": 0,
  "ScheduleActiveStartDate": null,
  "ScheduleActiveEndDate": null,
  "ScheduleActiveStartTime": null,
  "ScheduleActiveEndTime": null,
  "ScheduleDateCreated": "2017-05-09T14:53:51.19Z",
  "ScheduleDateModified": "2017-05-09T14:53:51.157Z",
  "ScheduleLastExecuted": null,
  "ScheduleNextExecution": "2017-05-10T14:53:51.163Z"
}
```

POST	/Consumer /ScheduledI nstructions	Creates a scheduled question, action or event.
		
		Example Request
		
		``json
		{
		  "DefinitionName":"TachyonCore-BiosDetails",
		  "InstructionTtlMinutes":10,
		  "ResponseTtlMinutes":10,
		  "Comments":"This is a comment",
		  "ScheduleEnabled": true,
		  "ScheduleFreqType": 4,
		  "ScheduleFreqInterval": 1,
		  "ScheduleFreqSubdayType": 1,
		  "ScheduleFreqSubdayInterval": 1,
		  "ScheduleFreqRelativeInterval": 0,
		  "ScheduleFreqRecurrenceFactor": 0,
		  "ScheduleDateCreated": "2017-05-09T14:50:01.343Z",
		  "ScheduleDateModified": "2017-05-09T14:50:01.343Z"
		}
		``
		
		will return:
		
		Example Response
		
		``
		[Similar to GET]
		``
			For questions
			
			- Questioner
			- Actioner
			
			For actions
			
			- Actioner
			
			Returns Unauthorized (401) if user does not have the required permissions on the instruction that is being scheduled.
			
			NOTE: The attached JSON is just an example to demonstrate how to pass the Scheduling parameters. Otherwise, it accepts parameters that are similar to those allowed by the /Consumer/Instruction API.

PUT	/Consumer /ScheduledI nstructions /Update/{id}	Takes a ScheduledInstruction (using the same schema as POST) and replaces it into the existing ScheduledInstruction whose Id is given by {id}.	Permissions as above.

POST	/Consumer /ScheduledI nstructions /Targeted	Creates a scheduled instruction, supplying a targeted list of devices by Fqdn
		
		As above with the added "Devices" Json property e.g.
		
		Example Request
		
		``json
		{
		  "DefinitionName":"TachyonCore-BiosDetails",
		
		  "InstructionTtlMinutes":10,
		  "ResponseTtlMinutes":10,
		  "Comment":"Just testing from PostMan",
		  "ScheduleEnabled": true,
		  "ScheduleFreqType": 4,
		  "ScheduleFreqInterval": 1,
		  "ScheduleFreqSubdayType": 1,
		  "ScheduleFreqSubdayInterval": 1,
		  "ScheduleFreqRelativeInterval": 0,
		  "ScheduleFreqRecurrenceFactor": 0,
		  "ScheduleDateCreated": "2017-05-08T11:43:01.343Z",
		  "ScheduleDateModified": "2017-05-08T11:43:01.343Z",
		  "Devices":["1EUKDEVWKS1349.1e.local"]
		}
		``
			Permissions as above.
			
			Note: Fqdn list is limited by MaxRequestLength which defaults to 4MB

PUT	/Consumer /ScheduledI nstructions /Targeted/ {id}	Takes a ScheduledInstruction (using the same schema as POST, including list of devices by Fqdn) and replaces it into the existing ScheduledInstruction whose Id is given by {id}.	Permissions as above.
DELETE	/Consumer /ScheduledI nstructions/ {id}	Deletes an individual row from the ShcheduledInstruction table by its Id.	Permission to execute schedule

POST	/Consumer /ScheduledI nstructions/ {id}/cancel	Cancel an individual schedule	Permission to execute schedule

POST	/Consumer /ScheduledI nstructions /search	Find all occurrences of a schedule between two dates.
		
		Example Request
		
		``json
		{
		    "Filter":{
		        "Operator": "AND",
		        "Operands": [
		            {
		                "Attribute": "DefinitionName",
		                "Operator": "==",
		                "Value": "TachyonCore-BiosDetails"
		            }
		        ]
		    },
		    "StartDate": "2017-05-01T00:00:00+0100",
		    "EndDate": "2017-07-01T00:00:00+0100",
		    "PageSize": 20
		}
		``
		
		will return:
		
		Example Response
		
		``
		[Similar to GET: An array of ScheduleDefinitions where the relevant information is the ScheduleNextExecution field]
		``
		
		For past executions, the response contains an InstructionId field that reports the ID from the instruction that was triggered from the schedule. This field is null for future executions, since it is not possible to predict the ID that will be generated when the schedule is triggered.
		
		Note: Either **EndDate** or **PageSize** needs to be specified when invoking this API. StartDate is optional, and it defaults to "the first occurrence of this schedule that ever happened".	

POST	/Consumer /ScheduledI nstructions /Describe	**Minimum API version - 3.2** Returns the description for a Scheduled Instruction even if it is not saved into the system. Takes as input parameter a ScheduledInstruction, similar to what would be sent to /Consumer/ScheduledInstructions in order to add the schedule to the system. This API does not do anything with the schedule, except populate some data inside the object, namely the ScheduleReadableFrequency. Returns the same object, including the newly populated information.	None requried.
GET	/Consumer /ScheduledI nstructions/	**Minimum API version - 3.3** Gets approximate target for specific instruction. Approximate target will be calculated using the scope defined in the instruction. Approximate target will be calculated for the user who created the instruction, using that user's current permissions.	Requires any permission on any of the instruction sets