

Step:

1. How to install signalr on client site, please refer to this link [aspnetcore-2.2#install-the-signalr-client-package](#).
2. Connect to Signalr => http://172.168.11.110/iowhr_signalr/LeaveSignalr
3. **Subscribe to channel "Leave Status"**
 - a. **Example:** `_connection.On<LeaveApplyResponse>("LeaveStatus", OnLeaveStatusUpdate);`
 - b. LeaveApplyResponse is the expected response object. OnLeaveStatusUpdate is the event to handle when message received.
 - c. This is an example of .net framework.
4. Join group by calling this channel "GroupUser" by providing employee email
 - a. **Example:** `await _connection.InvokeAsync<bool>("GroupUser", employee.EmployeeEmail)`
 - b. This is an example of .net framework.
5. For reference, you can refer to my windowform client from here "[\\iuids-01\Team\jh\SignalR\SignalR Client](#)", it work on all the methods provided below.

Api resource	Response	Method	Description
http://172.168.11.110/iowhr_signalr/{employeeid}/Leave/Apply Example: http://172.168.11.110/iowhr_signalr/C7214A22-27D0-4AE3-BB9B-58D2BD296D81/Leave/Apply Payload: <pre>public class LeaveApplyTransaction { public LeaveTypeList LeaveType { get; set; } public DateTime ApplyDate { get; set; } public string Reason { get; set; } // Optional }</pre> Enum: <pre>public enum LeaveTypeList { NotUpdated = int.MinValue, NonStated = -2147483647, Annual = 10, CarriedForward = 20, Sick = 30, Hospitalization = 40, Compassionate = 50, Study = 60, Examination = 70, Maternity = 80, Paternity = 90, Compensation = 100,</pre>	While received => return 200 with data <pre>var response = new { StatusLink = url, Param1 = leaveTransactionId, Param2 = leaveTransactionNo };</pre> While succeed: Fire SignalR Channel => "Leave Status" with message Message object => <pre>public class LeaveApplyResponse { public string LeaveTransactionId { get; set; } public string LeaveTransactionNo { get; set; } public List<string> ErrorMessage { get; set; } public WorkflowActionStatusList ActionStatus { get; set; } }</pre>	Post	The way to apply leave

<pre> ReplacementHoliday = 105, Replacement = 110, Marriage = 115, Army = 120, UnutilizedLeave = 130, Paid = 140, NonPaid = 150, NonPaidHour = 160, TimeOff = 170 } </pre>			
<p>http://172.168.11.110/iwowhr_signalr/{employeeId}/Leave/{LeaveTransactionId}/Status</p> <p>Example: http://172.168.11.110/iwowhr_signalr/C7214A22-27D0-4AE3-BB9B-58D2BD296D81/Leave/84237387-FF73-4343-AAA3-5E4F7E2DE72D/Status</p> <p>Payload: None</p>	<p>Record exists: Return <code>WorkflowActionStatusList</code> Enum</p> <p>Record not exists: Return 404 with no data</p> <p>Enum: <pre> public enum WorkflowActionStatusList { Draft = 0, Pending = 1, Approved = 2, Reject = 3, Withdraw = 4, NA = 5, RejectFinal = 6, Deleted = 7, Processing = 8, Failed = 9, NotSet = int.MinValue } </pre> </p>	<p>GET</p>	<p>The way to check status</p>
<p>http://172.168.11.110/iwowhr_signalr/{employeeId}/Leave/Histories</p> <p>Example: http://172.168.11.110/iwowhr_signalr/C7214A22-27D0-4AE3-BB9B-58D2BD296D81/Leave/Histories</p> <p>Payload: None</p>	<p>Record exists: Return <code>List<LeaveTransaction></code></p> <p>Record not exists: Return 404 with no data</p> <p>Class: <pre> public class LeaveTransaction { public string EmployeeId { get; set; } } </pre> </p>	<p>GET</p>	<p>Get all histories by employee id</p>

	<pre> public string LeaveTransactionId { get; set; } public string LeaveTransactionNo { get; set; } public LeaveTypeList LeaveType { get; set; } public DateTime ApplyDate { get; set; } public string Reason { get; set; } public WorkflowActionStatusList ActionStatus { get; set; } } Enum: public enum LeaveTypeList { NotUpdated = int.MinValue, NonStated = -2147483647, Annual = 10, CarriedForward = 20, Sick = 30, Hospitalization = 40, Compassionate = 50, Study = 60, Examination = 70, Maternity = 80, Paternity = 90, Compensation = 100, ReplacementHoliday = 105, Replacement = 110, Marriage = 115, Army = 120, UnutilizedLeave = 130, Paid = 140, NonPaid = 150, NonPaidHour = 160, TimeOff = 170 } </pre>		
<p>http://172.168.11.110/iwowhr_signalr/{employeeId}/Leave/{LeaveTransactionId}</p> <p>Example: http://172.168.11.110/iwowhr_signalr/C7214A22-27D0-4AE3-BB9B-58D2BD296D81/Leave/84237387-FF73-4343-AAA3-5E4F7E2DE72D</p> <p>Payload: None</p>	<p>Record exists: Return LeaveTransaction</p> <p>Record not exists: Return 404 with no data</p> <p>Class: Already listed on top</p>	GET	Get leave history by transaction id