shifter-client-server-protocol		
admin		
type	**request**	**response**

로그인	<pre>{
	    "protocol": "login_admin",
	    "data": {
	        "id": "",
	        "pw": ""
	    }
	}</pre>
		<pre>{
		    "protocol": "login_admin",
		    "data": {
		        "admin_uid": 0,
		        "team_uid": -1,
		        "team_name": "",
		        "company_name": "",
		        "admin_name" : ""
		    },
		    "resp": "",
		    "message": ""
		}</pre>

교대 정보 요청	<pre>{
	    "protocol": "req_shift_info",
	    "data": {
	        "team_uid": ""
	    }
	}</pre>
		<pre>{
		    "protocol": "req_shift_info",
		    "resp": "success/fail",
		    "data": {
		        "shift_info": [
		            {
		                "duty_type" : "D",
		                "start_time": "08:00",
		                "end_time" : "16:00",
		                "duty_hours": 8
		            },
		            {
		                "duty_type" : "E",
		                "start_time": "16:00",
		                "end_time" : "00:00",
		                "duty_hours": 8
		            },
		            {
		                "duty_type" : "N",
		                "start_time": "00:00",
		                "end_time" : "08:00",
		                "duty_hours": 8
		            },
		            {
		                "duty_type" : "O",
		                "start_time": "00:00",
		                "end_time" : "00:00",
		                "duty_hours": 0
		            }
		        ],
		    }
		    "message" : ""
		}</pre>

오늘의 근무 확인	<pre>{
	    "protocol": "check_today_duty",
	    "data" : {
	        "date" : "2025-08-04",
	        "team_uid": 0
	    }
	}</pre>
		<pre>{
		    "protocol": "check_today_duty",
		    "resp": "",
		    "data": [
		        {
		            "shift": "D",
		            "staff": ["staffname1", "staffname2", "staffname3", "staffname4"]
		        },
		        {
		            "shift": "E",
		            "staff": ["staffname5", "staffname6", "staffname7", "staffname8"]
		        }
		    ],
		    "message": ""
		}</pre>

| 팀 정보 등록 | ```json
{
    "protocol": "rgs_team_info",
    "data": {
        "company_name": "거북이병원",
        "team_name"    : "외과A팀",
        "job_category": "간호사",
        "shift_info": [
            {
                "duty_type"  : "D",
                "start_time" : "08:00",
                "end_time"   : "16:00",
                "duty_hours" : 8
            },
            {
                "duty_type"  : "E",
                "start_time" : "16:00",
                "end_time"   : "00:00",
                "duty_hours" : 8
            },
            {
                "duty_type"  : "N",
                "start_time" : "00:00",
                "end_time"   : "08:00",
                "duty_hours" : 8
            },
            {
                "duty_type"  : "O",
                "start_time" : "",
                "end_time"   : "",
                "duty_hours" : 0
            }
        ]
    }
}
``` | ```json
{
    "protocol": "rgs_team_info",
    "data": {
        "team_uid": 0
    },
    "resp": "",
    "message": ""
}
``` |
| 직급 정보 등록 | ```json
{
    "protocol": "rgs_grade_info",
    "data": {
        "team_uid" : 0,
        "grades": [
            {
                "grade_level": 1,
                "grade_name" : "수간호사"
            },
            {
                "grade_level": 2,
                "grade_name" : "선임간호사"
            },
            {
                "grade_level": 3,
                "grade_name" : "일반간호사"
            }
        ]
    }
}
``` | ```json
{
    "protocol": "rgs_grade_info",
    "resp": "success/fail",
    "message" : "error"
}
``` |
| 근무자 정보 등록 | ```json
{
    "protocol": "rgs_staff_info",
    "data": {
        "admin_uid": 0,
        "team_uid": 0,
        "staff": [
            {
                "grade_level": 0,
                "grade_name" : "",
                "staff_name" : "",
                "phone_num"  : "",
                "total_hours": 0
            }
        ]
    }
}
``` | ```json
{
    "protocol" : "rgs_staff_info",
    "resp": "success/fail",
    "message" : ""
}
``` |
| 직원정보 열람 | ```json
{
    "protocol": "req_staff_list",
    "data" : {
        "team_uid" : 0
    }
}
``` | ```json
{
    "protocol" : "req_staff_list",
    "data" : {
        "staff_list" : [
            {
                "grade_level" : 0,
                "grade_name"  : "",
                "phone_num"   : "",
                "total_hours" : 0,
                "staff_uid"   : 0,
                "staff_name"  : ""
            }
        ]
    }
}
``` |

| 임시 직원정보 열람 | ```json
{
    "protocol": "ask_temp_staff_info",
    "data": {
        "team_uid": 0
    }
}
``` | ```json
{
    "protocol": "ask_staff_list",
    "data": {
        "team_uid": 0,
        "staff_list": [
            {
                "grade_level": 0,
                "grade_name": "",
                "phone_num": "",
                "total_hours": 0,
                "temp_id": "",
                "temp_pw": "",
                "staff_name" : ""
            },
        ]
    },
    "resp": "",
    "message": ""
}
``` |
| 근무표 존재여부 확인 | ```json
{
    "protocol" : "chk_timeTable",
    "data" : {
        "team_uid" : 0,
        "req_period" : "yyyy-MM",
    }
}
``` | ```json
{
    "protocol" : "chk_timeTable"
    "resp" : "success/fail",
    "data" : {
        "can_gen" : "true/false"
    }
    "message" : ""
}
``` |
| 근무표 자동 생성 | ```json
{
    "protocol": "gen_timeTable",
    "data": {
        "admin_uid" : 0,
        "team_uid"  : 0,
        "req_year"  : "",
        "req_month" : ""
    }
}
``` | ```json
{
    "protocol": "gen_schedule",
    "resp": "success/fail",
    "data": {
        "schdule_info": [
            {
                "date": "2025-09-01",
                "shift": "Day",
                "hours": 8,
                "people": [
                    {
                        "name": "김간호사",
                        "staff_id": 1001,
                        "grade": 3
                    },
                    {
                        "name": "이간호사",
                        "staff_id": 1002,
                        "grade": 3
                    }
                ]
            },
            {
                "date": "2025-09-01",
                "shift": "Eve",
                "hours": 8,
                "people": [
                    {
                        "name": "StaffName",
                        "staff_id": 1003,
                        "grade": 1
                    },
                    {
                        "name": "StaffName",
                        "staff_id": 1004,
                        "grade": 2
                    }
                ]
            }
        ]
    },
    "message": "error"
}
``` |

근무표 수정	`{`
	`    "protocol": "mdf_scd",`
	`    "data": {`
	`        "mdf_infos": [`
	`            {`
	`                "date": "",`
	`                "staff_id": 0,`
	`                "shift": ""`
	`            },`
	`            {`
	`                "date": "",`
	`                "staff_id": 0,`
	`                "shift": ""`
	`            }`
	`        ]`
	`    }`
	`}`
		`{`
		`    "protocol" : "mdf_scd",`
		`    "resp": "success/fail",`
		`    "message" : ""`
		`}`

근무표 조회	`{`
	`    "protocol" : "ask_timetable_admin"`
	`    "data" : {`
	`        "req_year" : "yyyy",`
	`        "req_month": "MM",`
	`        "team_uid" : 0,`
	`    }`
	`}`
		`{`
		`    "protocol" : "ask_timetable_admin",`
		`    "data": [`
		`        {`
		`            "date": "2025-09-01",`
		`            "shift": "Day",`
		`            "hours": 8,`
		`            "people": [`
		`                {`
		`                    "name": "김간호사",`
		`                    "staff_id": 1001,`
		`                    "grade": 3`
		`                },`
		`                {`
		`                    "name": "이간호사",`
		`                    "staff_id": 1002,`
		`                    "grade": 3`
		`                },`
		`            {`
		`            "date" : "2025-09-01",`
		`            "shift": "Eve",`
		`            "hours": 8,`
		`            "people" : [`
		`                {`
		`                    "name":"StaffName",`
		`                    "staff_id": 1003,`
		`                    "grade":1`
		`                },`
		`                {`
		`                    "name":"StaffName",`
		`                    "staff_id": 1004,`
		`                    "grade:2`
		`                }`
		`            ]`
		`        }`
		`    ],`
		`    "resp" : "",`
		`    "message":""`
		`}`

근무 변경
요청 목록 조회
	`{`
	`    "protocol" : "shift_change_list",`
	`    "data" : {`
	`    "team_uid" : 0,`
	`    "req_year" : "2025",`
	`    "req_month" : "08"`
	`    }`
	`}`
		`"{`
		`    "protocol" : "shift_change_list",`
		`    "data": [ {`
		`    "duty_request_uid" : 0,`
		`    "staff_uid" : 0,`
		`    "request_date": "2025-08-01",`
		`    "desire_shift": "Day",`
		`    "reason": "결혼식 참석",`
		`    "status" : ""`
		`    }, ...]`
		`    },`
		`    "resp" : ,`
		`    "message" : ""`
		`}`

근무 변경 요청	`{`
	`    "protocol" : "answer_shift_change",`
	`    "data":{`
	`    "duty_request_uid" : 0,`
	`    "status" : "approved/pending/rejected"`
	`    "date"": "2025-08-22",`
	`    "duty_type"" : "D"`
	`    "admin_msg"": "거절시에만 작성"`
	`    }`
	`}`
		`"{`
		`    "protocol" : "answer_shift_change",`
		`    "resp" : "",`
		`    "message" : ""`
		`}`

| 출근정보 송신 | ```{   "protocol" : "attendance_info_admin" ,   "data" : {   "date" : "2025-08-08",   "team_uid" : 0   }}``` | ```{   "protocol" : "attendance_info_admin" ,   "data" : {   "attendance": [{   "staff_name" : "",   "check_in_time": "08:03",   "check_out_time": null   }],   },   "resp" : "",   "message" : ""}``` |

user

| 로그인 | ```{   "protocol": "login",   "data": {   "id": "",   "pw": ""   }}``` | ```{   "protocol": "login",   "data": {   "date": "2025-07-30",   "staff_uid": 1,   "team_uid": 7,   "team_name": "응급실 A팀",   "staff_name" : "유희라",   "attendance": {   "status": "출근",   "check_in_time": "08:03",   "check_out_time": null   },   "work_request_status": {   "approved": 2,   "pending": 1,   "rejected": 1   }   },   "resp": "success",   "message": "로그인 성공"}``` |

| 출근정보 송신 | ```{   "protocol" : "attendance_info" ,   "data" : {   "staff_uid" : ,   "date" : "2025-08-08",   }}``` | ```{   "protocol" : "attendance_info" ,   "data" : {   "attendance": {   "check_in_time": "08:03",   // 출근 시간   "check_out_time": null   // 퇴근 시간   },   },   "resp" : "",   "message" : ""}``` |

| 근무 변경 신청 | ```"{   "protocol" : "ask_shift_change",   "data":{   "staff_uid" : 0,   "date": "2025-08-22",   "duty_type" : "D",   "message": "자녀 픽업 사유"   }}``` | ```"{   "protocol" : "ask_shift_change",   "resp" : "",   "message" : ""}``` |

| 근무 요청 현황 | ```{   "protocol" : "shift_change_detail",   "data" : {   "duty_request_uid" : 0,   "req_year" : "2025",   "req_month" : "08"   }}``` | ```"{   "protocol" : "shift_change_detail",   "data": [{   "duty_request_uid" : 0,   "request_date": "2025-08-01",   "desire_shift": "Day",   "status": "Approved",   "reason": "결혼식 참석",   "admin_msg": "null"}, ...]   },   "resp" : ,   "message" : ""}``` |

| 근무 요청 취소 | ```{   "protocol" : "cancel_shift_change",   "data" : {   "duty_request_uid" : 0,   },}``` | ```{   "protocol" : "cancel_shift_change",   "resp" : "",   "message" : ""}``` |

| 출근 요청 | ```{   "protocol" : "ask_check_in",   "data" : {   "staff_uid" : 0,   "team_uid" : 0   }}``` | ```{   "protocol" : "ask_check_in",   "data" : {   "check_in_uid" : 0   }   "resp" : "",   "message" : "" // 출근 완료}``` |

퇴근 요청	```{ "protocol" : "ask_check_out", "data" : { "check_in_uid" : 0 } }```	```{ "protocol" : "ask_check_out", "resp" : "", "message" : "" // 퇴근 완료 }```
근무표 조회	```{ "protocol" : "ask_timetable_user" "data" : { "req_year" : "yyyy", "req_month": "MM", "staff_uid": 0, } }```	```{ "protocol" : "ask_timetable_user", "data":{ "time_table":["date": "2025-09-01", "shift": "Day", "hours": 8, "schedule_uid" = 0] }, "resp" : "", "message":"" }```
인수인계 기록	```{ "protocol" : "reg_handover", "data" : { "staff_uid" : 0, "team_uid" : 0, "title" : "", "text" : "" , "text_particular" : "", "additional_info" : "", "is_attached" : 0, "file_name" : "", "note_type" : "" , "shift_type" : "" }```	```{ "protocol" : "reg_handover", "data" : { "handover_uid": 0 } "resp" : "", "message" : "" }```
인수인계 조회	```{ "protocol" : "ask_handover_list", "data" : { "team_uid" : 0 } }```	```{ "protocol" : "ask_handover_list", "data" : { "list" : [{ "handover_uid" : 0 , "staff_name" : "" , "handover_time" : "" , "shift_type" : "" , "note_type" : "" , "title" : "" } }```
인수인계 상세 조회	```{ "protocol" : "ask_handover_detail", "data" : { "handover_uid" : 0 } }```	```{ "protocol" : "ask_handover_detail", "data" : { "handover_time" : "", "staff_name" : "" , "shift_type" : "" , "note_type" : "" , "title" : "" , "text" : "" , "text_particular" : "" , "additional_info" : "", "is_attached" : 0, "file_name" : "" } }```
공지사항 조회	```{ "protocol" : "ask_notice_list", "data"" : { "team_uid" : 0 } }```	```{ "protocol" : "ask_notice_list", "data" : { "list" : [{ "notice_uid" : 0 , "staff_name" : "" , "notice_date" : "" , "title" : "" , } }```
공지사항 상세 조회	```{ "protocol" : "ask_notice_detail", "data" : { "notice_uid" : 0 } }```	```{ "protocol" : "ask_notice_detail", "data" : { "notice_uid" : 0 , "staff_name" : "" , "notice_date" : "" , "title" : "" , "content" } }```

| 문장정리 요청 | ```json
{
  "protocol"" : "summary_journal",
  "data" : {
  "text" : ""
  }
}
``` | ```json
{
  "protocol"" : "summary_journal",
  "data" : {
  "text" : ""
  },
  "resp" : "" ,
  "messege" : ""
}
``` |
| 오늘의 근무 확인 | ```json
{
  "protocol": "check_today_duty",
  "data" : {
    "date" : "2025-08-04",
    "team_uid": 0
  }
}
``` | ```json
{
  "protocol": "check_today_duty",
  "resp": "",
  "data": [
    {
      "shift": "D",
      "staff": ["staffname1", "staffname2", "staffname3", "staffname4"]
    },
    {
      "shift": "E",
      "staff": ["staffname5", "staffname6", "staffname7", "staffname8"]
    }
  ],
  "message": ""
}
``` |
| 개인정보 조회 | ```json
{
  "protocol"" : "ask_user_info",
  "data" : {
  "team_uid" : 0
  "staff_uid" : 0
  }
}
``` | ```json
{
  "protocol"" : "ask_user_info",
  "data" : {
  "id" : "",
  "pw" : "",
  "phone_number" :""
  "company_name": ""
  "grade_name" : ""
  },
  "resp" : "" ,
  "messege" : ""
}
``` |
| 개인정보 수정 | ```json
{
  "protocol"" : "modify_user_info",
  "data" : {
  "staff_uid" : 0,
  "pw" : "",
  }
}
``` | ```json
{
  "protocol"" : "modify_user_info",
  "resp" : "" ,
  "messege" : ""
}
``` |
| 이번주 근무 정보 요청 | ```json
{
  "protocol" : "ask_timetable_weekly"
  "data" : {
    "date" : "2025-08-07",
    "staff_uid": 0,
  }
}
``` | ```json
{
  "protocol" : "ask_timetable_weekly"
  "data" : {
    "shift_type": ["",]
  },
  "resp" : "" ,
  "messege" : ""
}
``` |
| 교대 정보 요청 | ```json
{
  "protocol": "req_shift_info",
  "data": {
    "team_uid": ""
  }
}
``` | ```json
{
  "protocol": "req_shift_info",
  "resp": "success/fail",
  "data": {
    "shift_info": [
      {
        "duty_type" : "D",
        "start_time": "08:00",
        "end_time"  : "16:00",
        "duty_hours": 8
      },
      {
        "duty_type" : "E",
        "start_time": "16:00",
        "end_time"  : "00:00",
        "duty_hours": 8
      },
      {
        "duty_type" : "N",
        "start_time": "00:00",
        "end_time"  : "08:00",
        "duty_hours": 8
      },
      {
        "duty_type" : "O",
        "start_time": "00:00",
        "end_time"  : "00:00",
        "duty_hours": 0
      }
    ],
  }
  "message" : ""
}
``` |
| **python** | | |

| 근무표 생성 | ```json
{
protocol : "py_gen_timetable"
data: {
  "staff_data": {
    "staff": [
      {
        "name": "김간호사",
        "staff_id": 1001,
        "grade": 3,
        "total_hours": 195
      },....

    ]
  },
  "position": "간호",
  "target_month": "2025-09",
  "custom_rules": {
    "shifts": ["Day", "Evening", "Night", "(
    "shift_hours": {
      "Day": 8,
      "Evening": 8,
      "Night": 8,
      "Off": 0
    },
    "night_shifts": ["Night"],
    "off_shifts": ["Off"]
  }
 }
}
``` | ```json
{
"protocol": "py_gen_schedule",
"resp": "success/fail",
"data": [
    {
      "date": "2025-09-01",
      "shift": "Day",
      "hours": 8,
      "people": [
        {
          "name": "김간호사",
          "staff_id": 1001,
          "grade": 3
        },
        {
          "name": "이간호사",
          "staff_id": 1002,
          "grade": 3
        },
    {
      "date" : "2025-09-01",
      "shift": "Eve",
      "hours": 8,
      "people" : [
        {
          "name":"StaffName",
          "staff_id": 1003,
          "grade":1
        },
        {
          "name":"StaffName",
          "staff_id": 1004,
          "grade:2
        }
      ]
    }
  ],
  "message": ""
``` |
| 파이썬 인수인계 | ```json
{
"protocol":"py_req_handover_summary"
"data" {
  "task": "summarize_handover",
  "input_text": ""
 }
}
``` | ```json
{
"protocol":"res_handover_summary"
"data"{
 "task": "summarize_handover",
 "result": ""
},
"resp": "",
"messege" : ""
}
``` |