## Base Station Tests

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| Bad JSON string | |
| Description: | Send a bunch of nonsense to the server |
| Expected Result: | NAK: Invalid JSON is replied |
| Actual Result: | Replies NAK: Invalid JSON |
| Pass/Fail: | Pass |

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| Bad Password string | |
| Description: | Send a valid HRLogin with an invalid pasword |
| Expected Result: | RHLoginSuccess:false |
| Actual Result: | Replies RHLoginSuccess:false |
| Pass/Fail: | Pass |

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| Empty JSON | |
| Description: | Send a valid, but empty, bit of JSON |
| Expected Result: | NAK: Not a valid request. |
| Actual Result: | Replies NAK: Not a valid request. |
| Pass/Fail: | Pass |

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| User login | |
| Description: | Send a valid login request for a user without admin access. |
| Expected Result: | Login success with a list of attached devices. |
| Actual Result: | Replies with a login success and list of attached devices that the associated user has priviledges to. |
| Pass/Fail: | Pass |

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| Admin login | |
| Description: | Log in as a user in group ALL |
| Expected Result: | Login success with a list of attached devices. |
| Actual Result: | Replies with a login success and list of all attached devices |
| Pass/Fail: | Pass |

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| Empty login | |
| Description: | Log in as a user whose group contains no devices |
| Expected Result: | Login success with an empty list |
| Actual Result: | Replies with a login success and empty list |
| Pass/Fail: | Pass |

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| Device Request Good Password | |
| Description: | Send a device request to a device with a password whose group matches the device. |
| Expected Result: | Return value from device |
| Actual Result: | Replies with a return value from the device. |
| Pass/Fail: | Pass |

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| Device Request Bad Password | |
| Description: | Send a login request to a device with a password whose group does not match the device. |
| Expected Result: | NAK: Bad Password |
| Actual Result: | Replies with a NAK: Bad Password |
| Pass/Fail: | Pass |

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| Device Request Unavailable Device | |
| Description: | Send a login request to a device with a password whose group matches the device, but the device is not available. |
| Expected Result: | NAK: Failed to access [interface] (Bad interface or not connected.) |
| Actual Result: | Replies with a NAK: Failed to access [interface] (Bad interface or not connected.) |
| Pass/Fail: | Pass |

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| Device Request Missing Password | |
| Description: | Send a login request to a device without a password field present. |
| Expected Result: | NAK: Invalid request |
| Actual Result: | Replies with a NAK: Invalid Request |
| Pass/Fail: | Pass |