



BorgConnect® interface with CYMANII - MITH Cluster

- BorgConnect® will expose a HTTPS API to be consumed by MITH Cluster.
- The API will be developed afresh.
- The accept requests only from whitelisted IP addresses.
- As part of Phase 1 development, the API will provide separate POST and GET endpoints for:
 - event data - security event data as identified by the BorgConnect® Hub



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- BorgConnect® will be posting data to the endpoint.
- MITH Cluster will be reading data from the endpoint.
- Authentication & Authorization to be developed as part of Phase 2.



Event Data - API Endpoint - POST

- Endpoint: `https://<Raspberry Pi - IP Address>/security/event`
- Method: POST
- Request Payload: JSON

```
[  
  {"event type": "Non TLS Connection", "mitre_threat_no": "CWE_9999", "description":  
  "originated from 192.168.1.65", "timestamp": "yyyy-MM-DD HH:MM:ss"},  
  {"event type": "Unauthorised Application Access", "mitre_threat_no":  
  "CWE_9999", "description": "originated from 192.168.1.65", "timestamp": "yyyy-MM-DD  
  HH:MM:ss"},  
  {"event type": "Data transfer size", "mitre_threat_no": "CWE_9999", "description": "originated  
  from 192.168.1.65 for 22 MB", "timestamp": "yyyy-MM-DD HH:MM:ss"},  
  {"event type": "Unauthorised Port Access", "mitre_threat_no": "CWE_9999", "description":  
  "originated from 192.168.1.65 for USB03", "timestamp": "yyyy-MM-DD HH:MM:ss"},  
  {"event type": "Abnormal Attribute Value", "mitre_threat_no": "CWE_9999", "description":  
  "Site1-Equipment1-Temperature", "timestamp": "yyyy-MM-DD HH:MM:ss"}  
]
```



Event Data - API Endpoint - GET

- Endpoint: `https://<Raspberry Pi - IP Address>/security/event/<start_date>/<end_date>`
 - Method: GET
 - Response Payload: JSON
- ```
[
 {"event type": "Non TLS Connection", "mitre_threat_no": "CWE_9999", "description":
 "originated from 192.168.1.65", "timestamp": "yyyy-MM-DD HH:MM:ss"},
 {"event type": "Unauthorised Application Access", "mitre_threat_no":
 "CWE_9999", "description": "originated from 192.168.1.65", "timestamp": "yyyy-MM-DD
 HH:MM:ss"},
 {"event type": "Data transfer size", "mitre_threat_no": "CWE_9999", "description": "originated
 from 192.168.1.65 for 22 MB", "timestamp": "yyyy-MM-DD HH:MM:ss"},
 {"event type": "Unauthorised Port Access", "mitre_threat_no": "CWE_9999", "description":
 "originated from 192.168.1.65 for USB03", "timestamp": "yyyy-MM-DD HH:MM:ss"},
 {"event type": "Abnormal Attribute Value", "mitre_threat_no": "CWE_9999", "description":
 "Site1-Equipment1-Temperature", "timestamp": "yyyy-MM-DD HH:MM:ss"}
]
```

