



Flixty

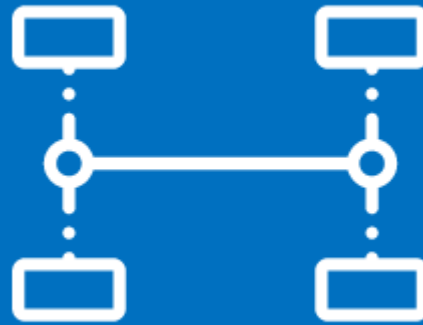
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Dr. Luai Malhis

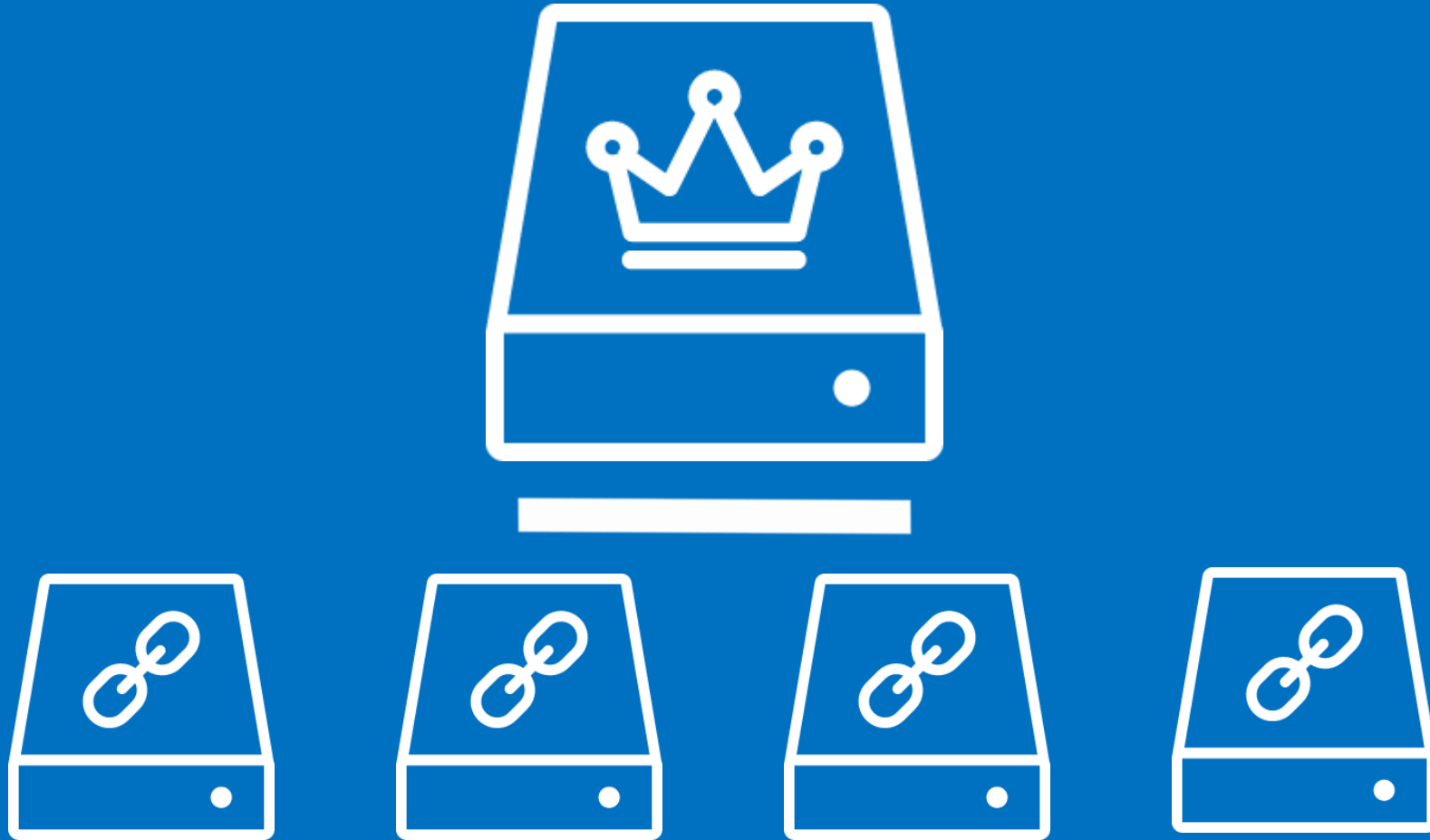
Hardware Graduation Project



Hardware | Software



Master | Slaves



Flixy

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Mblock

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Lago EV3



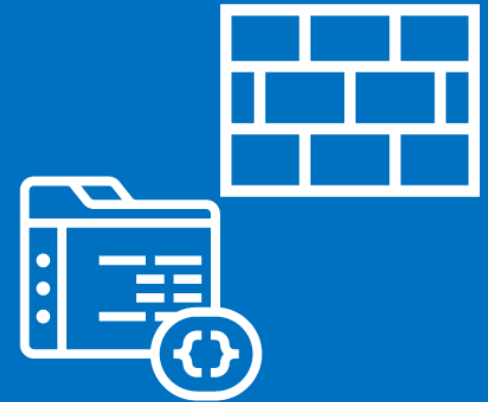
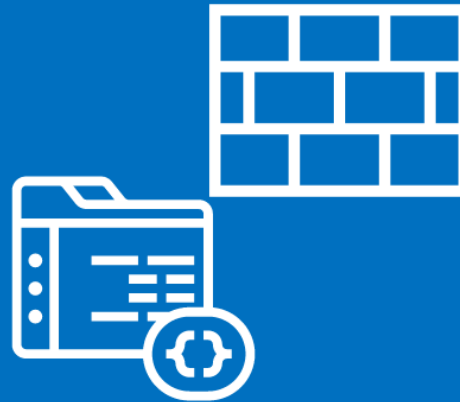
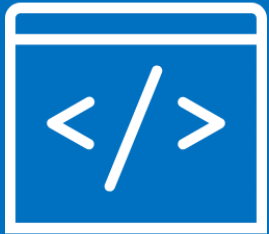
Flixy



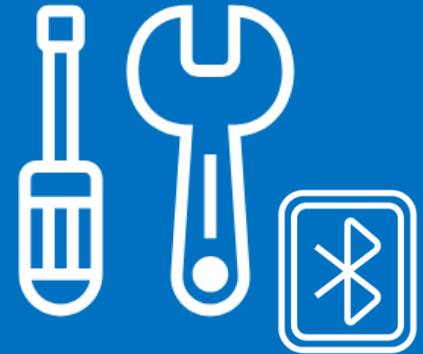
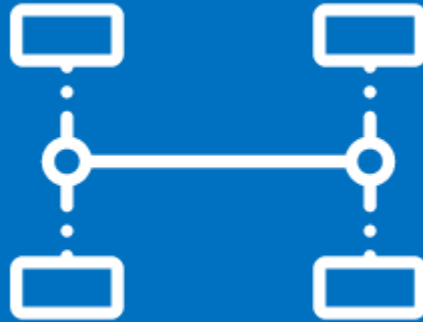
Mblock



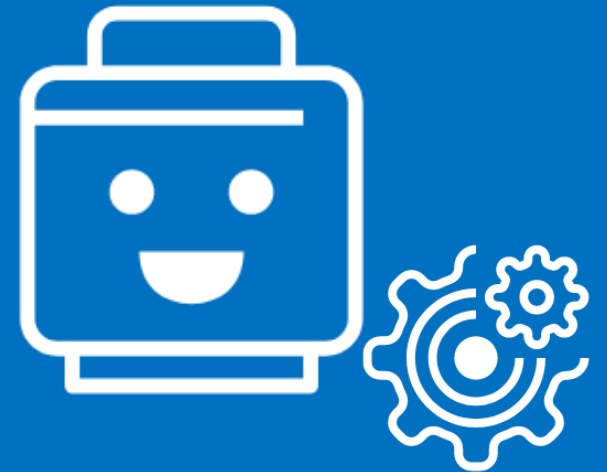
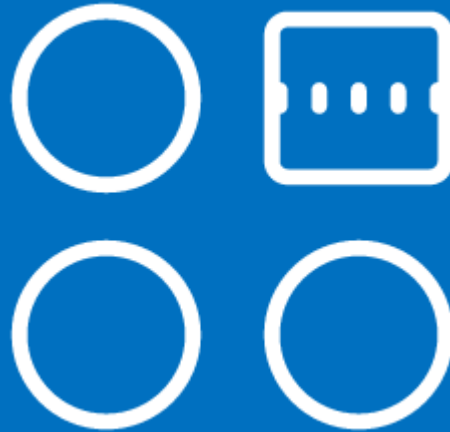
Lago EV3



Techniques & Technology



What Flixty provide?



Communication



Start Communication



Accept Communication

Type Declaration

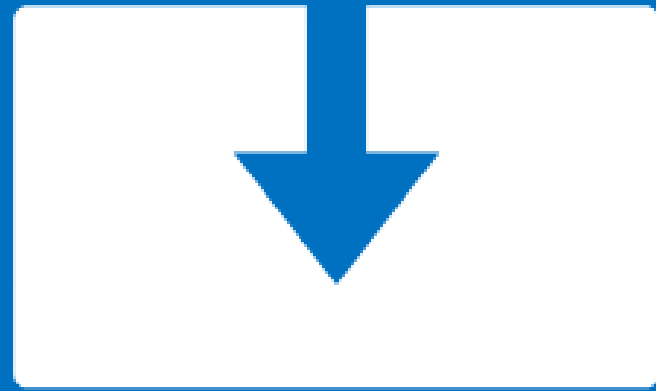


Module Type



Invoking & Communication





TRIAL



Demo <1>

```
#include <flaxy.h>
void setup() {
}
void loop() {
}
```

```
void loop() {
    boolean enabled = false;
    String password = "password";
    while (true) {
    }
}
```



Demo <2>

```
while (true) {  
  if (BTToRead()){  
    String command = BTRead();  
  }  
}
```

```
if (command == "enable"){  
  enabled = true;  
  BTWrite("Protection Enabled");  
}  
else if (command == "chpass"){  
  BTWrite("Enter New Password : ");  
  String newPass = BTRead();  
  password = newPass;  
  BTWrite("Password Updated");  
}  
else if (command == password){  
  BuzzerOff();  
  BTWrite("Alert OFF");  
}  
else if (command == "disable"){  
  enabled = false;  
  BTWrite("Protection Disabled");  
}
```



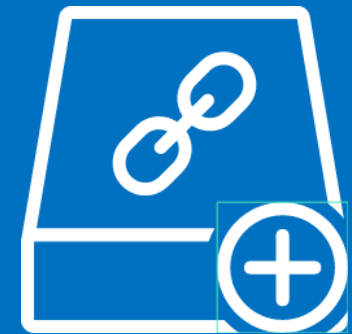
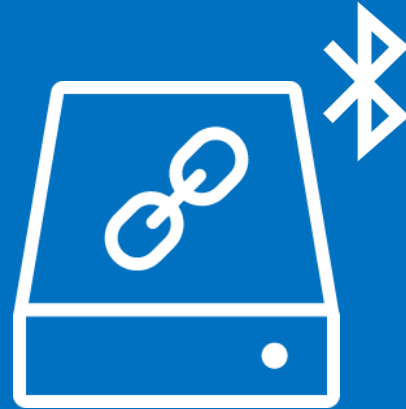
Demo <3>

```
if (IRRead() != 0 && enabled){  
    BuzzerOn();  
    BTWrite("Warning! Your house may be  
insecure, Alart is ON.");  
    BTWrite("To turn the alart off, enter the  
password.");  
}
```

```
#include <flaxy.h>  
void setup() {  
}  
void loop() {  
    .....  
    while (true) {  
        if (BTToRead()){  
            .....  
        }  
        if (IRRead() != 0 && enabled){  
            .....  
        }  
    }  
    stopExecute();  
}
```



Future Work



The End



Thanks!

