Hubitat Installation Instructions								
Note	A pdf copy of these instructions are contained at the GitHub location: "https://github.com/DaveGut/Hubitat-TP-Link-Integration"							
Upgrade	UPGRADE From Previous Version . Typically, the upgrade can be done using the Import function on the driver and app code pages.							
рд	a. Replace the existing Application Code and Driver Code with the new code (from below).							
D. Run a "Save Preterences" on each device.								
Initial Installation Instructions								
1	Install the Kasa Devices. Install the devices using the Manufacturer's instructions and the Kasa Application.							
2	Assign Static IP Address : For each device, assign a Static IP address on your LAN. This precludes the IP from being changed and causing communications problems.							
3	Install the application (link below) in accordance with the Hubitat Instructions at: "https://docs.hubitat.com/index.php?title=How_to_Install_Custom_Apps" or here.							
	https://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/Application/TP-LinkHubitatApplication.groovy							
4	Install the device drivers (inks below) for your devices in accordance with the Hubitat Instructions at: "https://docs.hubitat.com/index.php?title=How to Install Custom Drivers"							
	HS100, HS103, HS105, HS200, HS210, KP100							
	https://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/DeviceDrivers/TP-LinkPlug-Switch(Hubitat).groovy							
	HS110							
	https://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/DeviceDrivers/TP-LinkEM-Plug(Hubitat).groovy							
	KP200, HS107, KP303, KP400							
	https://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/DeviceDrivers/TP-LinkMulti-Plug(Hubitat).groovy							
	HS300							
h	ttps://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/DeviceDrivers/TP-LinkEM-Multi-Plug(Hubitat).groovy							
	HS220							
https://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/DeviceDrivers/TP-LinkDimmingSwitch(Hubitat).groovy								
KB100, LB100, LB110, KL110, LB200, KL50, KL60								
https://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/DeviceDrivers/TP-LinkWhiteBulb(Hubitat).groovy								
LB120, KL120								
https://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/DeviceDrivers/TP-LinkCTBulb(Hubitat).groovy								
KB130, LB130, KL130, LB230								
5	https://raw.githubusercontent.com/DaveGut/Hubitat-TP-Link-Integration/master/DeviceDrivers/TP-LinkColorBulb(Hubitat).groovy Run the application "Kasa Local Integration" and follow the associated instructions.							
3	Truit the application. Rasa Local integration, and follow the associated instructions.							
	Note : The app will take about 3 minutes to load. Because of the discovery method, it is HE resource intensive. The resources will fully recover after about 5 minutes; however, during that time, HE performance may be impacted.							
	Note: The discovery method is rather arcane and during discover, you will see a lot of "Error occurred with UDP message: SocketTimeoutException: Receive timed out". This is normal and only occurs during the start-up of the application.							

Known Issues							
	Static IP Not Set. Failure to set static ip addresses can cause the device to fail because it is unreachable. Device driver corrective action described in communications failure below.						
	HS300 devices. A persistant communications failure is usually caused by the return message from the device exceeding the Hubitat limit. Corrective action: Shorten the name of the devices (the strip and each individual plug) to reduce the message size.						
Automated Communications Error Processing							
The Driver and Application are designed to automatically correct two communications errors:							
a. A multi-plug I busy completing a command to another plug and the sent command is ignored.							
b. Ti	b. The device's static IP has changed due to a reboot of the user's router and the use not setting the Static IP						
- 1	for the device.						
The following has been implemented:							
	When the communications do not complete, a retry is completed and if successful, the device continues normally. This usually handles the multi-plug issue.						
b.	The above is repeated a second time if it does not work.						
c.	If the second try fails, the application will attempt to poll the device IP addresses to update a changed address.						
	a. The program checks to see if a poll has been run within the last hour. If not,						
	b. The program polls for all devices and as the devices are encountered, child device IP addresses are automatically updated.						
d.	A forth try is completed. If that fails, no more tries are completed.						
e.	Subsequent command will NOT undergo automatic error processing.						
f.	If a command is successful, then the error processing is reset.						
If the atomatic does not fix the problem, the user will have to troubleshoot why the device is not present. Running the application and listing or installing the devices will update the device IP after the problem is resolved.							

Device Condition Color All	Commands							
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