Feature Design Proposals

The following are design proposals for new features and feature enhancements.

Title	Date Proposed	State (Proposed, In Review, Accepted, In Process, Completed)	Approved by
Encrypting Sensitive Information at Rest at the Edge	2019-08-06	Implemented	
Debugging APIs	2019-08-31	Proposed - TBD?	
Security APIs	2019-09-03	Abandoned for simpler API	
Static Root FS UUID as GPT Partition UUID	2019-09-19	Proposed	
ECO Connectivity Failover and Improved Policy Control	2019-09-23	Abandoned for simpler subset	
Providing Access to TPM from Edge Containers	2019-09-25	Implemented	
NodeAgent: EVE node health monitor module	2019-09-30	Implemented	
Controller Address Changes - Permanent and Temporary	2019-10-02	Proposed	
Moving Datastore Configuration Handling to Downloader	2019-10-27	Implemented	
Docker Image Tags Handling, Image SHA usage in EVE	2020-01-17	Abandoned for simpler API?	
EVE device logging redesign goals	2020-01-21	Implemented	
Secure Storage of Sensitive Information on EVE	2020-01-29	Implemented	
EVE debug enhancements	2020-03-11	Proposed	
Eve Fit and Finish items	2020-03-25	Proposed - underway	
Eve Volume Manager	2020-04-07	Implemented	
Volume (and Content) device API	2020-04-21	Proposed	TBD: Need to update state for this and below
Measured Boot And Remote Attestation	2020-06-01	Approved	Approved by consensus in LFEdge-EVE TSC, on 06/27/2020 https://lists.lfedge.org/g/eve-tsc/topic/consensus_to_approve/75047899
New /persist layout for volumes etc	2020-06-16	Proposed	
Tasks subsystem	2020-06-22	Proposed	
/conf as R/O filesystem	2020-06-29	Proposed	
Performance benchmark structure	2020-11-24		
Epoch-based reporting	2020-12-07	Proposed	
K3S flat network in EVE	2021-01-27	Proposed	
Bridge Manager	2021-02-09	Proposed	
CAN Bus support	2024-01-31	Proposed	
Next generation storage architecture	2021-02-15	Approved	Approved by consensus on LFEdge-EVE TSC mailing list 02/25/2020/2021
Metadata service	2021-03-09	Proposed	
Support For Retrying BaseOs Upgrade	2021-04-13	Proposed	
Discovery of not onboarded Eve devices	2021-04-29	Proposed	
Controlling application start/stop using a profile concept	2021-05-14	Proposed	
Local Data Store with ZeroConfig	2021-06-01	Proposed	
Network Instance VRFs	2021-07-08	Proposed	
Passing application meta-data from app via EVE to controller	2021-07-21	Proposed	

EVE and API should indicate if an error includes an automatic retry	2021-07-29	Proposed	
EVE informing controller about pending changes and operations	2021-07-29	Open for discussion	
EVE Airplane Mode	2021-08-27	Implemented	
EVE VLAN support - create VLAN and Bond interfaces	2021-09-16	Proposed	
Display EVE application status using LEDs	2021-11-16	Proposed	
SR-IOV Support	2021-11-30	Proposed	
Edge-View	2022-3-31	Implemented	
GPS coordinates exposed by EVE	2022-04-19	Proposed	
Snapshots in EVE	2022-06-14	Proposed	
Commands for Maintaining a ZFS Storage in EVE	2022-06-21	Proposed	
Clustered compute and storage support in EVE	2023-02-17	Proposed	
usbmanager for USB Device Pass-Through	will be 2023-09-14	Proposed - underway	
ModemManager Evaluation	2023-09-27	Proposed	
EdgeView Traffic Rate-Limit	2023-11-27	Proposed	
Connected and Static IP Route	2023-12-01	Proposed	
Edge-Node Clustering	2024-3-7	Proposed	
"eve net" CLI	2024-05-02	Proposed	