

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