

R4 Release Upstream Compliance

Various Akraino Release Upstream Dependencies and Compliance Table

As of R4, in order to build a stable release (A release is a release which Downstream and Community can rebuild after a certain long period of time), Upstream will need to specify upstream repositories completely and with corresponding version/branch information. Also Upstream Sub-committee recommends to use tag instead of branch if possible.

R4 Requirement: (TO BE DISCUSSED in TSC)

- If a BP has no code changes to upstream repositories, then it would just need to specify fully its upstream release versions in its release document, matching with its blual testing versions.
- If a BP has code changes to upstream repositories, then it would need to either merge the code into the upstream before the R4 release time frame and updates its release versions. If the code cant be merged the code into upstream timely, then the BP will not fit into the R4 (TBD).
- Or an upstream fork is acceptable, but the fork should be locked before R4 release and the code should be merged back to upstream eventually.

R4 Release Review Status (In Progress, all BPs please follow the schedule)

Project Name	Upstream Document	Review Date	Upstream Completion Status	Comments	
Connected Vehicle Blueprint	Release Note for R4		Yes		
IEC Type 4: AR/VR oriented Edge Stack for Integrated Edge Cloud (IEC) Blueprint Family	Release 4 Release Note-IEC Type4		Yes		
Radio Edge Cloud (REC)	Upstream Dependency Matrix and Upstream Project Information and Radio Edge Cloud Release 4	12/1/2020	Yes		
ICN - Integrated Cloud-Native Family	Upstream Dependency Matrix and Upstream Project Information and ICN R4 Release Notes				
ELIOT IoT Gateway Blueprint	ELIOT R4 - IoT Gateway Release Notes and match to the matrix Upstream Dependency Matrix and Upstream Project Information for IOT Gateway	12/1/2020	Yes		
ELIOT SD-WAN/WAN Edge/uCPE Blueprint	ELIOT R4 - SD-WAN/ WAN Edge / uCPE Release Notes#UpstreamSoftwareVersionchanges	12/6/20202	Yes		
Network Cloud and TF Integration Project					
KNI Provider Access Edge	Upstream Dependency Matrix and Upstream Project Information				
KNI Industrial Edge	Upstream Dependency Matrix and Upstream Project Information				
Micro-MEC	Release Notes for the MicroMEC Blueprint Release 3				
The AI Edge: School/Education Video Security Monitoring	Video Security Monitoring R3 Release Notes				
5G MEC/Slice System to Support Cloud Gaming, HD Video and Live Broadcasting Blueprint					
IEC Type 3: Android cloud native applications on Arm servers in edge for Integrated Edge Cloud (IEC) Blueprint Family					
IEC Type 5: SmartNIC for Integrated Edge Cloud (IEC) Blueprint Family	R3 Release Notes of IEC Type 5: SmartNIC for Integrated Edge Cloud (IEC) Blueprint Family		Need update to R4 (12/9 /2020)		
Enterprise Applications on Lightweight 5G Telco Edge	R4 - Release Notes of Enterprise Applications on Lightweight 5G Telco Edge (EALTEdge)	12/9/2020	Completed		
Public Cloud Edge Interface (PCEI) Blueprint	PCEI R4 Release Notes				
The AI Edge: Federated ML application at edge	Federated ML application at edge R4 Release Notes				
KubeEdge Edge Service Blueprint					
Private LTE/5G ICN Blueprint					

AI/ML and AR/VR applications at Edge					
IoT Workloads at the Smart Device Edge - Predictive Maintenance (with a Thermal Imaging Camera, vibration sensors, etc.)	IIoT Predictive Maintenance Release Notes				
ELIOT AIoT in Smart Office Blueprint					
Network Cloud with Tungsten Fabric	Upstream Dependency Matrix and Upstream Project Information and Network Cloud with Tungsten Fabric				
IEC Type 3: Android cloud native applications on Arm servers in edge for Integrated Edge Cloud (IEC) Blueprint Family	Release 4 Release Notes of IEC Type 3: Android cloud native applications on Arm servers in edge	01/15/2021			
The AI Edge: Intelligent Vehicle-Infrastructure Cooperation System(I-VICS)	I-VICS R4 Release Notes				
Private 5G/LTE Blueprint	Upstream Dependency Matrix and Upstream Project Information				