Field Name	Type	Description
node	A Pointer to AttrNodeStruct	the first attribute node of this entry(a linked list)
lock	pthread_rwlock_t	a write/read lock for this entry
nodeCount	u_int16_t	the number of nodes in this entry

AttrNodeStruct:

Field Name	Type	Description
next	A Pointer to AttrNodeStruct	pointer to the next attribute node in this entry
refCount	u_int16_t	the number of prefixes linked to this attribute node
prefixRefNode	A Pointer to PrefixRefNodeStruct	the header of linked list that contains the linked prefixes in the prefix hash table
lock	pthread_rwlock_t	a write/read lock for the linked prefixes list of this attribute node
asPath	A Pointer to ASPathStruct	AS path
bucketIndex	u_int16_t	the index of the entry(bucket) that contains this attribute node
basicAttrLen	u_int16_t	the basic length of the attributes, excluding mp attributes
totalAttrLen	u_int16_t	the total length of the attributes
attribute	u_int8_t [ ]	the attributes of a update, excluding AS path and NLRI of mp attributes

PrefixRefNodeStruct:

Field Name	Type	Description
next	A Pointer to PrefixRefNodeStruct	next node in the list of linked prefixes
prefixNode	A Pointer to PrefixNodeStruct	a pointer to the prefix node in the prefix hash table

ASPathStruct:

Field Name	Type	Description
asPathData	BGPASPathStruct	the content of AS path
asPathID	u_int16_t	AS path ID
refCount	u_int32_t	the number of attribute nodes that share this AS Path