

**root access  
manifest**

|                        |
|------------------------|
| encrypted<br>reference |
| ACT<br>root hash       |
| ...                    |

*retrieve*

*ACT  
manifest*

*lookup key*

*lookup*

*encrypted  
access key*

*access key  
decryption key*

*decrypt*

*encrypted  
reference*

*access key*

*decrypt*

**reference**

|                              |
|------------------------------|
| root chunk<br>address        |
| root chunk<br>decryption key |

*hash  
with 0*

*hash  
with 1*

*session key*

