IBM z16 Increased Certificate Key Length for HMC & OSA-ICC

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SHARE in Kansas City

Brian Valentine HMC/SE DevelopmentFile Updated: 08-05-24





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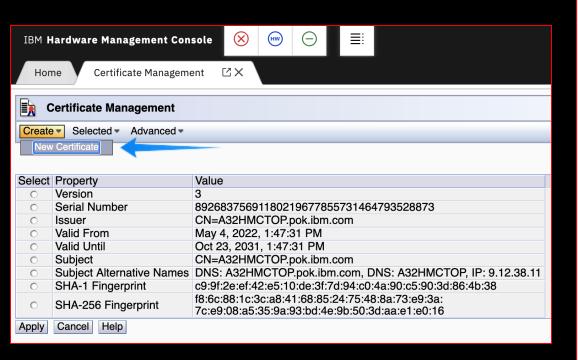
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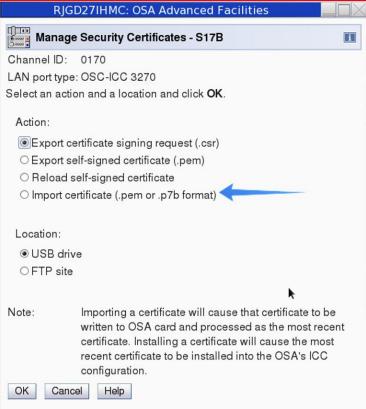
> HMC & OSA-ICC Current key length: 2048 bit

- > Increase key length, but give selection options of 2048, 3072, 4096 for new certificates
 - New Default: 3072

- ➤ 3072-bit keys required to conform to EMEA Standards
 - e.g. <u>https://www.ecrypt.eu.org/csa/documents/D5.4-FinalAlgKeySizeProt.pdf</u>
- ➤ Enhancement provided in HMC & SE MCL Bundles H26/S34
 - Bundle H26 available
 - Bundle S34 available
 - If H26 fix is active & S34 is not on z16 (or z15 or earlier system is targeted),
 - » HMC Certificate will support for longer key length options including SOO (Single Object Operations) to SE/CPC
 - » OSA-ICC Certificate will only provide the 2048 key length option, but z16 CPCs (with S34) will get the 2K, 3K, & 4K options.

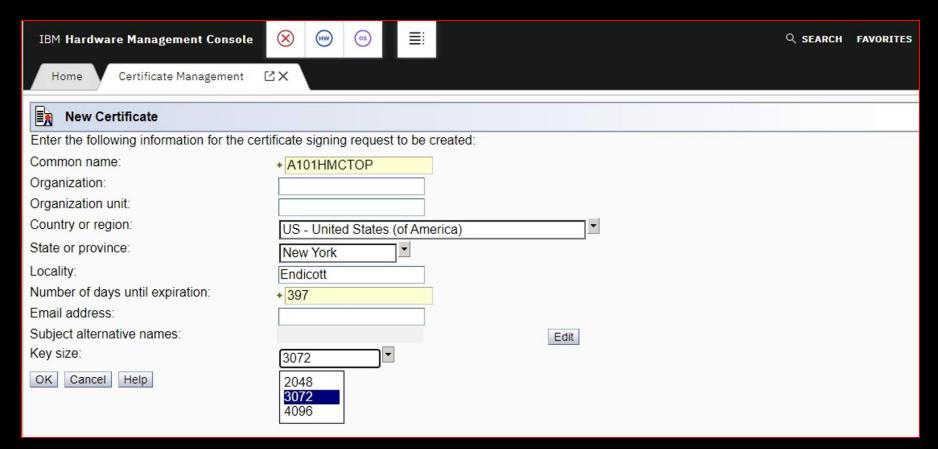
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Thank you for your time and consideration....

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