**Dynamic Addressing for IPv6 LLAs**

- Link-Local Addresses (LLAs): All IPv6 devices ***must*** have an LLA. These addresses are used for ***communication on the local network segment (link).*** They are analogous to APIPA (Automatic Private IP Addressing) addresses in IPv4 (the 169.254.0.0/16 range).

- Dynamic LLA Creation: LLAs can be created dynamically. The text mentions two methods for this:

* ***EUI-64***: This method uses the device's MAC address to generate the 64-bit interface ID portion of the LLA.
* ***Randomly Generated 64-bit Number***: The interface ID can also be a randomly generated number.

- Importance of Verification: Regardless of how LLAs (or Global Unicast Addresses - GUAs) are created, it's crucial to verify the IPv6 address configuration to ensure everything is working correctly.

A green and blue rectangle

AI-generated content may be incorrect.=> Every IPv6 device needs an LLA. These can be created automatically using either the EUI-64 method or a random number. Always double-check your IPv6 address settings.