

# Roadmap to shut down NTLM-based applications

---

Steps	Actions to be taken
<b>STEP #1: Upgrades</b>	<ul style="list-style-type: none"><li>• <b>Move to newer versions</b> of applications that support Kerberos or modern authentication standards</li><li>• Check if vendors have dropped NTLM dependencies in recent releases</li></ul>
<b>STEP #2: Replacements</b>	If upgrades (from Step #1) aren't possible, <b>evaluate replacement options</b> that align with your identity strategy
<b>STEP #3: Decommissioning</b>	<b>Build a clear timeline</b> for retiring applications that depend solely on NTLM
<b>STEP #4: Monitor for clients falling back to NTLM</b>	<b>Detect cases where NTLM may still be appearing</b> ; common causes can be from IP usage instead of hostnames and improper Kerberos usage