# PBKDF2 Iteration Performance

|  |  |  |
| --- | --- | --- |
| Iteration Count | Average Derivation Time (ms) | Security Implication |
| 10,000 | 28 | Low resistance; too fast for modern attackers. |
| 100,000 (Prototype) | 275 | Good balance; noticeable but acceptable delay. |
| 600,000 (OWASP Rec.) | 1650 | High resistance; potentially slow for user experience. |