

Securing Applications and Data

AP Cybersecurity · Vocabulary

English	中文	Pinyin
🔗 Applications	应用程序	yìng yòng chéng xù
👤 administrative	管理员	guǎn lǐ yuán
📌 injection attack	注入攻击	zhù rù gōng jī
✓ Data validation	数据验证	shù jù yàn zhèng
🗄️ SQL injection	数据库注入	shù jù kù zhù rù
🌐 Cross-site scripting (XSS)	跨站脚本	kuà zhàn jiǎo běn
⚠️ Buffer overflow	缓冲区溢出	huǎn chōng qū yì chū
🌀 buffer	缓冲区	huǎn chōng qū
📁 Directory traversal	目录遍历	mù lù biàn lì
🔒 at rest	静态数据	jìng tài shù jù
🔄 in transit	传输中数据	chuán shū zhōng shù jù
👤 in use	使用中数据	shǐ yòng zhōng shù jù
regulated	受监管	shòu jiān guǎn
compliance	合规	hé guī
👤 personally identifiable information (PII)	个人身份信息	gè rén shēn fèn xìn xī
🛡️ protected health information (PHI)	受保护健康信息	shòu bǎo hù jiàn kāng xìn xī
💳 payment card information (PCI)	支付卡信息	zhī fù kǎ xìn xī
👤 Role-based (RBAC)	基于角色的访问控制	jī yú jué sè de fǎng wèn kòng zhì
📋 Rule-based (RuBAC)	基于规则的访问控制	jī yú guī zé de fǎng wèn kòng zhì
👤 Discretionary (DAC)	自主访问控制	zì zhǔ fǎng wèn kòng zhì
🔒 Mandatory (MAC)	强制访问控制	qiáng zhì fǎng wèn kòng zhì
👤 principle of least privilege	最小权限原则	zuì xiǎo quán xiàn yuán zé

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 Cryptography	密码学	mì mǎ xué
 plaintext	明文	míng wén
 key	密钥	mì yào
 ciphertext	密文	mì wén
 keyspace	密钥空间	mì yào kōng jiān
 Symmetric encryption	对称加密	duì chèn jiā mì
 AES	高级加密标准	gāo jí jiā mì biāo zhǔn
 block cipher	分组密码	fēn zǔ mì mǎ
 Asymmetric encryption	非对称加密	fēi duì chèn jiā mì
 key pair	密钥对	mì yào duì
 public key	公钥	gōng yào
 private key	私钥	sī yào
 elliptic curve cryptography (ECC)	椭圆曲线密码学	tuǒ yuán qū xiàn mì mǎ xué
 Secure by design	安全设计	ān quán shè jì
 Secure by default	默认安全	mò rèn ān quán
 input sanitization	输入清理	shū rù qīng lǐ
 control characters	控制字符	kòng zhì zì fú
 accounting	审计记录	shěn jì jì lù
 honeypot	蜜罐	mì guàn
 data loss prevention (DLP)	数据泄露防护	shù jù xiè lòu fáng hù