

## Log4j Java Vulnerability Update - January 28, 2022

2 ZXbMMy 1\_nk Mlml @V| xqt {ZNA àMy UZZI Vhl {b | n| yjt k nl qnx` ` MIX xz\_b b ` ñ| x' XZ{ZV{bZ' MIX' uxZfZI {bZ' yty{Zk y' {n' ZI y| xZ' {aM' {aZxZ' by' I n' Z.ujnbMlml ' ñ\_ {aZ' 1n` Bñ f| ji ZxVljbZySMIX'NZx' nl 'M+M{bZ' {aM'k M' xZy| j{ \_xnk 'Mf| ji ZxVljbZ' UZb ` Z.ujnbZX`

2 ZXbMMy bZI {bzX' I n' WjZy' ñ\_ Z.ujnbMlml ' MIX' ñ| x' Vñ| X\$úZxk Z{Zx' MIX' any' UMYZX' ún{ZV{bl y' MZ' M{bZjt' XZ\_ZI XZX' \_xnk ' Nj' ù| UjbyZX' jn` Bñf| ji ZxVljbZ' UMYZX' M{M' y' H Z' ZZj' {aM' ; Z' àMZ' {aZ' únuzx' k nl qnx`

1n` Bh/MVG|jl Zx

An`àZju`ùn{xZV{`tn| xXMIM\$2 ZXbXMIvMàNy`y(xnl` `k b`b Mlonl yM`n| xùZxk Z{ZxMIX`nl` ZMv`yZxfZxS  
ùnfxb` `k |j{bujZ jMIZxy`n`\_yZV| xq`f`b` {aZ`ZI fbnl k ZI {y`{aM`i; Z`k MIMZ`a` @b VZ`{aZ`b` b`b`y`I`N`Z`x`  
nl` {aZ` f|ji ZxN`U`b`q`f`\$ 2 ZXbXMIvMàNy` UZZI` `NXXZyyb` ` {aZ` f|ji ZxN`U`b`q`f` {axn|` `a` NXXb`lonl NjI  
ùMvab` `MIX` tk ujZk ZI {Mlonl` `n` NXXb`lonl NjI Vhl {xnjy` M` {aZ` I` Z`„ nxi S`yZxfZx` MIX` M`ujb`Mlonl`  
jZfZjy`

\* {` {aby`ùn`b` {S`2 ZXbXMIvMàNy` Vhl` \_bZi` {` {aM`i` {aZ` Vhl` {xnjy`„ ab`v`a` MZ`ùn{xZV{`b` ` {aZ` XMIM{aM`i` tn|`  
{x|y`|`y`„ b`a` MZ`b` {M`S`MIX` {aM`i`„ Z`à`MZ`y|`\_bZi` {` k`nl` b`nxb` `„ b`ab` {aZ`ZI fbnl k ZI {` {n`  
XZ{ZV{`ùnUjZk`yUZ`nxZ` {aZ`f`XZfZjnu`

H`Z` Vhl` {b`|`Z` {n`Z`f`NjI` MZ` NXXb`lonl NjI`yZV|` xq`f` Vhl` {xnjy`„ ab`v`a` k` M`i` UZ` tk ujZk ZI {ZX` {n`|` x{aZx`  
xZX|` VZ`x`y`i` S`Un{a`\_nxjn` B`h`MIX`NjI`i`l`n`„ I` f|ji ZxN`U`b`q`f`Zy`

H`Z` MZ` M`uxnWab` ` {aby`b` M`Vhl` {xnjjZX`S`k` ZMj|` xZX` MIX` ùxZV`yZ` k` M`I` Zx`Mj`ùM`i`n`\_n|`x`3`\*`@A`  
ã`Ü`à`b`U`MjZX` M`uxnWab`n`l` f|ji ZxN`U`b`q`f` k` M`IMZk` ZI {` M`IX`v`aM`i` Z` Vhl` {xnj` M`IX`Z`uZV{` b` {n`UZ`  
{xM`iyuM`Zi` {` {n`n|`x`V|`y{nk`Zxy`

Aaby`b` b`b`y`i`„ nxi` M`n|`I`X` {aby`by`Vnk` ujZ{Z`\_`njjn`„ {axn|` `a`nl` {aZ`jZ` M`f`y`b` `jZ`b`y{M`VZ`ùnX|` V`y`  
xZk` N`b`b` `„ b`j` UZ`ùZx`nxk` ZX`nfZx`{aZ`I`Z`{`\_Z`„ „ ZZi`y`SuZi` Xb` `V|`y{nk` Zx`M`uxn`f`NjI`

1n` BhMjMG|jl ZxWljkf` XXZI X| k `1ž ZVZk UZxÜpŞYÜYÜ`

AaZ`ž MyMj|{`@y{\k ZyjZMZXyabw`aMj`b fZy(ZX`aZMj|t`b`{Zxk yn`nV| yS`| I Xb` `MIX`xZyn| xZy`  
{n`uxn{ZV{`{aZ`XMjM{aM|n| xV| y{nk ZxyMIX`{aZbxuMjZ| {y{x| y{`| y,, b`a`

AaZ` jn` Bh -1n` AK ® hMjMjn` Zx` f|jl ZxWljkf` by` Zl nXk n| yj` t`k uMj`| jS` xZw` btb` ` M` xZyybZ`  
Vh| I {Zxk ZMj| xZy` ; ab`a` b` Vj| XZ` bZ,, Mj` k nXb`bMjM| yS`jnMj` UYjMIVZx` Zl aMIVZk Zl {yS`yty{Zk`  
| uXMZy`MIX`Vh| b` | xMjM| `VaM|` Zy`

AaZ` nUyZxfZx` fnj| k Z` n` k NjMj| y` {xMj`| by` | u` n`fZx` BÜÜb` b` {aZ` jMj|` aY` an| xyS` MIX` {aZ`  
b` xMj|x| V{`| xZ` by`k MIMb` ` {aby`Mj`XZyb| ZXs,, b`an| {Mj`by| Zy`

H Z`Mj` xZVZb`b` ` yn`k Z`k NjMj| y` {xMj`| MjZk u{b` ` {n` Zl {Zx`{aZ` 2 ZXb`MjM| j`b` b`Mj|f` jn| X` xnk`  
ynk Z`@Zy`

AaZ` üZx`k Z{Zx`Vh| {xnjyS`Mj` XZyb| ZXs`MjZ` UjnV` b` ` {aby` {xMj`| S`uxZfZl {b` ` b` xnk` Zl {Zx`b` ` {aZ`  
Zl fbnl k Zl {MIX`VxZM|b` ` | I Mj`{anx`bZ`MjZy`

\*{ by` ünyy`b`jZ` {aMj` yn`k Z` y`Zy` aMjZ` {MjZl` {aZ` b` b`MjZ` {n` y`Mj` {aZ` 2 f` f` Zl fbnl k Zl {` ; ab`a`  
; n| jX`{xb` ` Zx`{aZ`y`Mj Z`xZy| j{`

Mj` ; Z`VMj| n{` Xb`{b` ` | by`a` UZ{,, ZZl`k NjMj| y`

1n` hB`MVG|ji ZxWlqk`nl ž ZVzk UZx`ÜÜŞYÜYÜ`

H qab` {aZ`AZVal njn` t`MZI M\$; ZMI ZyyZy`k MbZy` {aM`k M`UZ`Z.ujntqZX`Ut`Mk NjMn|y`W(nxS  
b`nxXZx{n`üZx\_nk` |I M|{anx`Zx`W(b`bZy`y| Va`Nj`b`yZx{b``xMlynk` „ MZSy(ZNj`XM`MhxüZx\_nk`  
n{aZxk Nj`b` {ZI XZX`W(b`bZy`a`

Aaby` by` Mk M{Zx` n`\_ XNj` t` nuZxM`lml yS` Nj` k` Mit` a`|I XxZxy` n`\_ {an|yMIXy` n`\_ {aZyZ` i` b`Xy` n`\_  
f|ji ZxWlqk`Zy`Mz`Xb`MhfZx`ZfZxt`tZM`{axn|` an|` {aZ` „ nxjX`a`

\*1` nxXZx{n`vnl` {b` |Z` {n`XZj`b`Zx`{xZM`k` ZI` {y`MZ}tS{aZ` ž` Mj`M|j`{`@y`{\k` Zy`jZM`Zy`abw` a`Mj`b` fZy`{ZX`  
àZM`j` t` b`` {Zx`y` n`\_nV|yS`\_ |I Xb`` M`IX`xZyn|`xZy` {n`üxn{ZV` {aZ` XM`M`{aM` n`|`x`V|`y`nk` Zxy`MIX`  
{aZbx`u`M`Zi` {y`{x|`y`|`y` „ q`a`a`

<M`{` n`\_ {aM` by` M` Z`\_ZV`{bZ` G|ji ZxWlqk` 2` MIMZk` ZI` {` <xn` xM` „ ;` ab`a` by` M` ZI` nxk` n|`y`  
|I XZx{M`b` S;` ab`a` xZw` bZy` bZi` {b`b` S`Mj`Mj`b`b` S`MIX`M`XxZy`b`` {aZyZ` „ ZMI ZyyZy` 3n`{`Nj`  
f|ji ZxWlqk`Zy`xZq`

H Z' MZ' MluxnWab` `{aby' b' MVhl {xnjjZXS k ZM| xZX' MIX' uxZVbyZ' k MI Zx' My' üM{ 'n\_n| x' 3\*@A'  
äÜ'ap' UMjZX' MluxnWa'nl 'f| j| Zx' Mjg' k MIMZk ZI { 'MIX' VaMI` Z`Vhl {xnj'SMIX'Z. uZV{ b' {n'UZ'  
{xMyuMZI { 'n'n| xV| y{nk Zxy' Aaby' M{ b' t' yan| jX'UZ' Vnk ujZ{Z' {aby'„ ZZi' a'