X-Force Red

IBM **Security**

X-Force Red @217!,1&5 Testing Services

C52 0 $21',(85!7,21 %!7! !1% >MF .&<6 72 3!<0 &17 $!5% ,1'25 0 !7,21 !1% 62$,!/ 6&$85,7< 18 0 #&56ñ $217!,1&56 $!1 +2/% +,(+/< 6&16,7,9& ,1'25 0 !7,21k A&9L36 7&! 0 6 86& $217!,1&56 72 #8,/% !1% 581 !33/,$!7,216k F' !1 !33/,$!7,21 %&3&1%6 21 ! /,#5!5<ñ 7+&1 7+& /,#5!5< :28/% 6,7 ,1 ! $217!,1&5k Q+& ,0 3257!1$& !1% 6&16,7,9,7< 2' 7+& !66&76 7+!7 $217!,1&56 +2/% $!1 0!.& 7+& 0 ! 723 7!5(&7 '25 !77!$.&56ñ !1% !6 68$+ñ 5&48,5& $217,18286 3527&$7,21k

J!1< 2' 7+& 6&$85,7< 352#/& 0 6 68552 81%,1($217!,1&56 !5& 127 ,16,%& 7+& $217!,1&56 7+& 0 6&/9&6ñ #87 5!7+&5 :,7+,1 7+& 6<67& 0 6ñ 25 $217&;7ñ 86&% 72 581 7+& 0 !7 6$!/&k @217!,1&56 $!1 581 ,1 %,''&5&17 $/28% &19,521 0 &176ñ &!$+ 2' :+,$+ +!6 ! %,''&5&17 /&9&/ 2' 3527&$7,21k F1 21& ,167!1$&ñ '25 &;! 0 3/&ñ 3&5 0 ,66,216 '25 !1 !33/,$!7,21 ,16,%& ! $217!,1&5 0 !< #& ,1$255&$7/< $21',(85&%ñ 25 3&5 0 ,66,216 72 !$$&66 !1 !33/,$!7,21 0 !< #& 722 #52!%ñ &1!#/,1(! 3&5621 72 !$$&66 0 25& 5&6285$&6 7+!1 7+&< 1&&%k Q+26& 7<3&6 2' '/! :6 $!1 &1!#/& !77!$.&56 72 86& 7+& $217!,1&5 !6 ! 3,927 32,17 ,172 27+&5 3!576 2' 7+& 1&7 :25.k

Q+& UfC25$& O&% @217!,1&5 Q&67,1(P&59,$&6 $!1 +&/3 <28 81$29&5 !1% 5& 0 &%,!7& '/! :6 ,16,%& !1% !5281% $217!,1&56 ,1 7+& $/28%k Q+& 7&67,1($29&56 7+& &17,5& $217!,1&5 !77!$. 685'!$&ñ :+,$+ ,1$/8%&6 $217!,1&5 25$+&675!7256 ¤H8#&51&7&6¥ñ !33/,$!7,216 !1% 27+&5 3!576 2' 7+& 6833257,1(,1'5!6758$785&k Q+& UfC25$& O&% @217!,1&5 Q&67,1(P&59,$&6 $!1 #& 3&5'25 0 &% '52 0 !1 w!668 0 &% !33/,$!7,21 $2 0 352 0 ,6&x 25 w!%0 ,1 !$$&66x 67!1%32,17 ¤7+& /!77&5 ,6 &1$285!(&% 72 #&67 237,0 ,=& 5&68/76¥k

C217!,1&5 Q&67,1(P&59,$&s

Discover and Access

- ✓ A&7!,/6 7+& $2 0 321&176 2' <285 &19,521 0 &17 68$+ !6 +2: containers are running, orchestrators they are using, and other technologies supporting the infrastructure.
- ✓ Maps potential attack access points into the containers

B18 0 &5!7& !1% >66&66

- ✓ F%&17,',&6 &;7&51!/ 3!7+6 2' $2 0 352 0 ,6e !(!,167 ! $/867&5ñ ,1$/8%,1(!$$&66,1(!33/,$!7,216 !1% @F[a]@A 3,3&/,1&6k
- ✓ A&7&5 0 ,1&6 7+& 7<3&6 2' 6&$5&76ñ $5&%&17,!/6ñ 6&59,$& !$$2817 tokens, and other sensitive data an attacker could access.
- ✓ Enumerates which types of permissions are in the environment in combination with the accessible secrets, and types of applications, capabilities, and controls with which an attacker could interact.
- ✓ Identifies and analyzes secondary exploitation paths and how attackers can leverage them for lateral movement.

Exploitation

- ✓ B;3/2,76 ',1%,1(6 72 %&7&5 0 ,1& +2: !77!$.&56 $!1 /&9&5!(& them, which assets they can access, and the impact of a compromise. Shows areas where sensitive data is exposed

Reporting

- ✓ Delivers a report of findings, a narrative of explored attack paths and remediation recommendations.

¹B!$+ 7&67 7!.&6 !3352;,0 !7&/< [f] :&&.6 72 $2 0 3/&7&k C25 0 25& ,1'25 0 !7,21ñ 9,6,7:

+7736[mm][aa] : : :k,# 0 k$2 0 [a]6&$85,7<[a]6&59,$&6[a]$/28%f7&67,1(

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