ERX activity report

DNS Operations SIG APNIC 19 2005, Kyoto



Background on ERX Project

- Early Registrations Transfer ERX
 - Number resources allocated and assigned before RIR policy process developed
- Maintained at ARIN
 - Inherited responsibilities from InterNIC in 1997
 - Requests from APNIC, RIPE-NCC members for delivery of service in region
- 110 AS Transfers completed in one move
 Includes ranges
- IPv4 Transfers began Jan 2003 to all RIR
- Final APNIC Transfers (192/8) Dec 2004





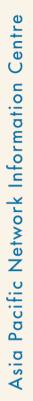
- 16 /8 currently managed by APNIC as direct allocations from IANA
- 42 extra /8 in ERX process
 - Allocations and assignments in AP region
- DNS management implications

 2 /8 'mastered' (150/8 and 163/8)
 40 /8 'zone fragments' to other RIR
 NIR responsibilities across all 42 /8





- 1308 new entities to communicate
 - Approximate, some overlaps
 - multiple maintainer entries in ARIN
 - existing members etc
 - RIPE NCC had much larger problem
 - Transfers for most /8 done in common across RIR
 - 192/8 done separately for each RIR





Breakdown by /8

/8	nets	/8	nets	/8	nets	/8	nets
128	3	129	9	130	18	131	14
132	6	134	14	136	5	137	14
138	23	139	15	140	28	141	8
143	19	144	26	146	14	147	20
148	4	149	6	150	99	151	5
152	14	153	3	154	3	155	11
156	10	157	68	158	30	159	12
160	67	161	26	162	6	163	59
164	20	165	42	166	15	167	-11
168	24	169	2	170	4 (192	1443
196	19	198	97				



The Future..



- Lame DNS (many lame NS imported)
- Historical Resource Protection
 - Ongoing communications activity
- Methodology for transfers
 - inter-RIR adopting RIPE/ARIN process
 - Thanks to Leo Vegoda for assistance
 - APNIC-NIR case-by-case process
- DNS shared zone management
 - Improved APNIC DNS management processes
 - Dialogue with Shin Yamasaki
 - Process review APNIC/JPNIC





APNIC ERX activity completed

- Thanks to Cathy Murphy, ARIN
 - Oversight of project, P.M.
 - Detailed, per /8 transfer management
 - Data preparation for import
 - Data checking after transfer
 - DNS cutover



Questions?

