

universität freiburg

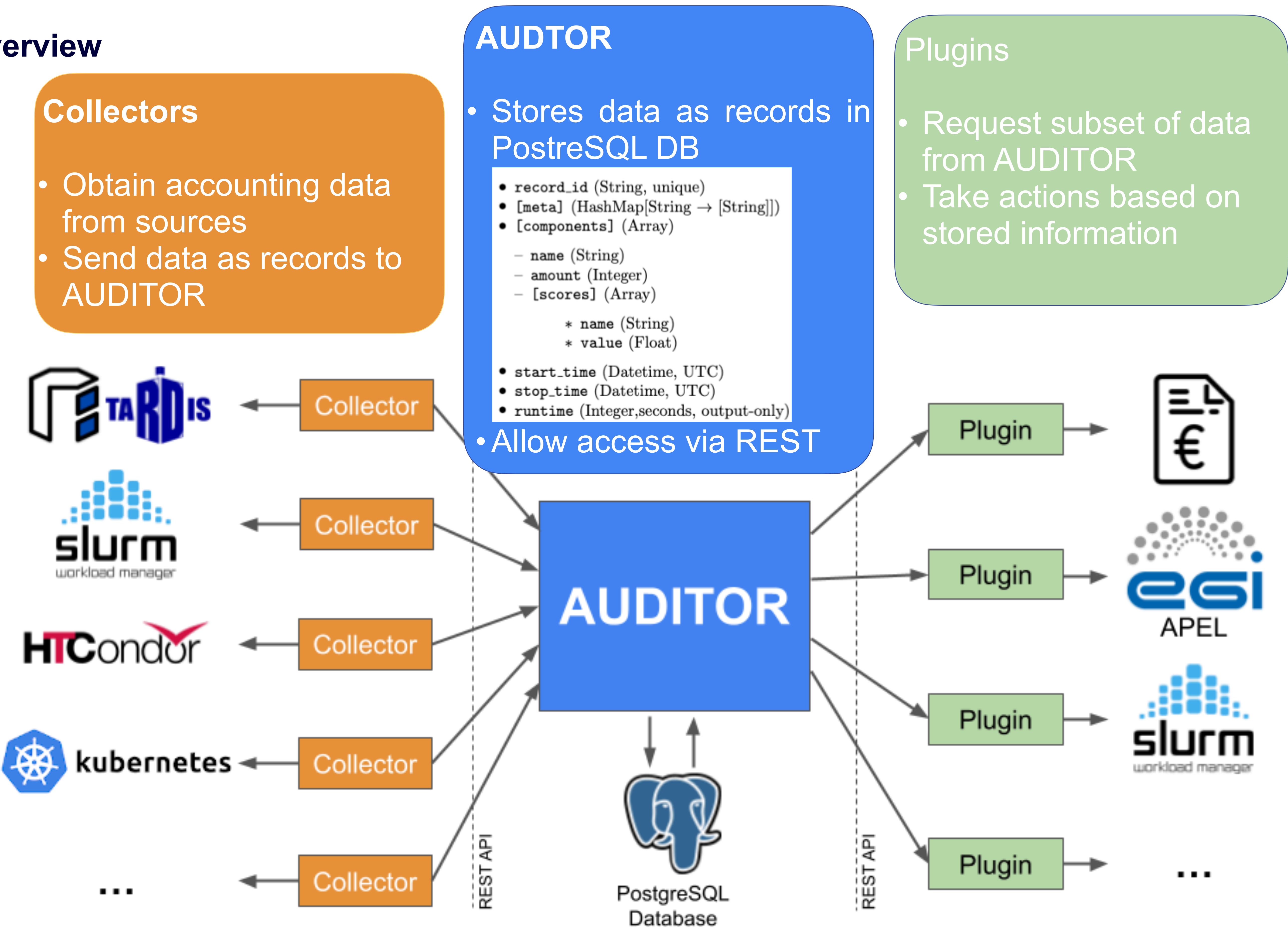
 IDIU  Bundesministerium für Bildung und Forschung

Accounting of HPC resources with AUDITOR

Introduction

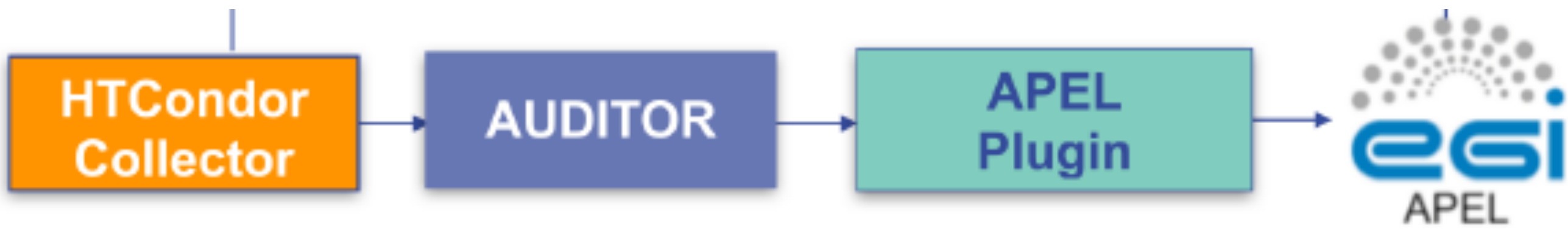
- AUDITOR is an multi purpose accounting ecosystem
- Suitable for accounting resources combined e.g. via CodaID/TARDIS

Overview



3 Use Cases

1. Replace EGI Accounting by AUDITOR Pipeline



Resource Centre FZK-LCG2 — Elapsed time * Number of Processors (hours) by Submit Host and Month (Official VO's)									
Submit Host	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sept 2024	Oct 2024	Nov 2024	Dec 2024
Client-Monster on 3-bit grid.de	10,215,871	11,544,589	1,302,044	0	0	0	0	0	0
Monster on 3-bit grid.de	10,215,871	11,544,589	1,302,044	0	0	0	0	0	0
Monster on 2-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 4-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 5-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 6-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 7-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 8-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 9-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 10-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 11-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 12-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 13-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 14-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 15-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 16-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 17-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 18-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 19-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 20-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 21-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 22-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 23-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 24-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 25-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 26-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 27-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 28-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 29-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 30-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 31-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 32-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 33-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 34-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 35-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 36-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 37-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 38-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 39-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 40-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 41-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 42-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 43-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 44-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 45-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 46-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 47-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 48-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 49-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 50-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 51-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 52-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 53-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 54-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 55-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 56-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 57-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 58-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 59-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 60-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 61-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 62-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 63-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 64-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 65-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 66-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 67-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 68-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 69-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 70-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 71-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 72-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 73-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 74-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 75-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 76-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 77-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 78-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 79-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 80-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 81-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 82-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 83-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 84-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 85-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 86-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 87-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 88-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 89-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 90-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 91-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 92-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 93-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 94-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 95-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 96-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 97-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 98-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 99-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 100-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 101-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 102-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 103-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 104-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 105-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 106-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 107-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 108-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 109-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 110-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 111-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 112-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 113-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 114-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 115-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 116-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 117-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 118-bit grid.de	1,015,897	1,015,897	1,015,897	0	0	0	0	0	0
Monster on 119-bit									