

(51) International Patent Classification:
G06F 15/16 (2006.01)(21) International Application Number:
PCT/US2011/050195(22) International Filing Date:
1 September 2011 (01.09.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/379,869 3 September 2010 (03.09.2010) US(71) Applicant (for all designated States except US): **TIME WARNER CABLE, INC.** [US/US]; 60 Columbus Circle, New York, NY 10023 (US).

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:
27 March 2014

(54) Title: METHODS AND SYSTEMS FOR MANAGING A VIRTUAL DATA CENTER WITH EMBEDDED ROLES BASED ACCESS CONTROL

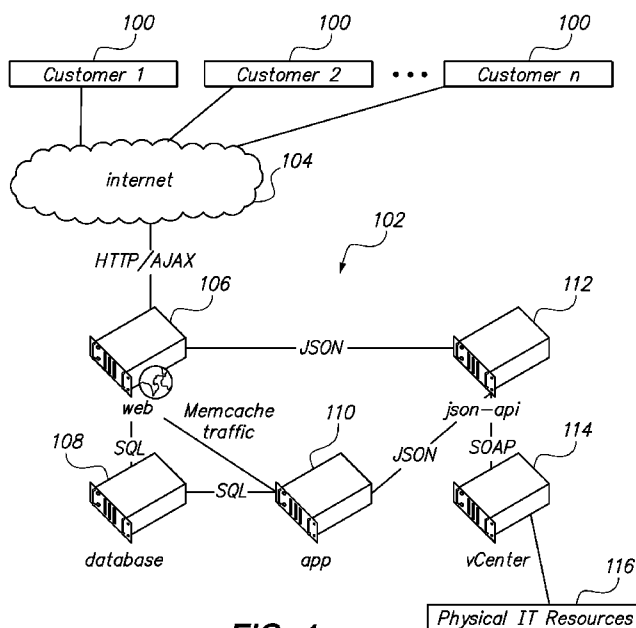


FIG. 1

(57) Abstract: Embodiments provide techniques for customers to easily, quickly and remotely manage their virtual data centers. Using, for example, a "single pane of glass" GUI view which shows all of the components (including e.g., machines (cpu and RAM), network services (load balancers, firewalls, network address translation, IP management) and storage) of their virtual data centers, provides a complete overview and a starting point for system or component management. According to embodiments, a Roles Based Access Control (RBAC) system is provided which simulates the organizational structure and workflow of a typical IT department to enable workflow management via the GUI for any component or function of a customer's virtual data center.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 11/50195

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 15/16 (2011.01)

USPC - 709/227

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC: 709/227

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 709/208, 227; 715/700 (keyword limited - see terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST (PGPB, USPT, USOC, EPAB, JPAB); GOOGLE; Google Scholar

Search Terms: server, data center, controlling, virtual, user interface, IP address, role, task, activity, execute, command, firewall, schedule, hierarchy, access, asynchronous, request, network

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2009/0288084 A1 (Astete et al.) 19 November 2009 (19.11.2009), entire document, especially; abstract, para. [0040]-[0042], [0050], [0071], [0072], [0075], [0110], [0121], [0128]-[0130]	1 - 42
Y	US 2008/0184228 A1 (Tsao) 31 July 2008 (31.07.2008), entire document, especially; abstract, para. [0021]-[0023], [0025], [0039]-[0041], Claim 12, 13	1 - 42
A	US 2010/0107085 A1 (Chadwick et al.) 29 April 2010 (29.04.2010), entire document	1 - 42

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"&" document member of the same patent family

Date of the actual completion of the international search

05 December 2011 (05.12.2011)

Date of mailing of the international search report

23 DEC 2011

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
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