Configuration du serveur du système Polycom® CMA™

Ce chapitre décrit les différentes opérations à effectuer pour configurer le serveur d'un système Polycom® Converged Management Application™ (CMA™) et le connecter au réseau.



Si vous installez une configuration redondante de Polycom CMA, exécutez toutes les procédures figurant dans ce chapitre sur les deux serveurs, sauf instruction contraire.

Réunir les éléments nécessaires

Avant d'installer un système Polycom CMA, vous devez réunir les différents éléments suivants :

- Notes de diffusion du système Polycom CMA
- Serveur du système Polycom CMA
- Étude complète du site ou boîte à outils du projet
- Ordinateur comportant un port série ou un port Ethernet

Si vous souhaitez vous connecter au serveur du système Polycom CMA par un port Ethernet, vous devez disposer également des composants suivants :

- Un cáble croisé OU
- Un concentrateur ou un commutateur et deux câbles Ethernet

Polycom Cma 500admin Guide

Zhe Xu

Polycom	Cma	500admin	Guide:

Immerse yourself in the artistry of words with Crafted by is expressive creation, Discover the Artistry of **Polycom Cma 500admin Guide**. This ebook, presented in a PDF format (Download in PDF: *), is a masterpiece that goes beyond conventional storytelling. Indulge your senses in prose, poetry, and knowledge. Download now to let the beauty of literature and artistry envelop your mind in a unique and expressive way.

https://crm.avenza.com/book/publication/Download PDFS/sample compare and contrast essay 6th grade.pdf

Table of Contents Polycom Cma 500admin Guide

- 1. Understanding the eBook Polycom Cma 500admin Guide
 - The Rise of Digital Reading Polycom Cma 500admin Guide
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Polycom Cma 500admin Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Polycom Cma 500admin Guide
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Polycom Cma 500admin Guide
 - Personalized Recommendations
 - Polycom Cma 500admin Guide User Reviews and Ratings
 - Polycom Cma 500admin Guide and Bestseller Lists
- 5. Accessing Polycom Cma 500admin Guide Free and Paid eBooks
 - Polycom Cma 500admin Guide Public Domain eBooks
 - Polycom Cma 500admin Guide eBook Subscription Services
 - Polycom Cma 500admin Guide Budget-Friendly Options

- 6. Navigating Polycom Cma 500admin Guide eBook Formats
 - o ePub, PDF, MOBI, and More
 - Polycom Cma 500admin Guide Compatibility with Devices
 - Polycom Cma 500admin Guide Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - $\circ\,$ Adjustable Fonts and Text Sizes of Polycom Cma 500admin Guide
 - Highlighting and Note-Taking Polycom Cma 500admin Guide
 - o Interactive Elements Polycom Cma 500admin Guide
- 8. Staying Engaged with Polycom Cma 500admin Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Polycom Cma 500admin Guide
- 9. Balancing eBooks and Physical Books Polycom Cma 500admin Guide
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Polycom Cma 500admin Guide
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Polycom Cma 500admin Guide
 - Setting Reading Goals Polycom Cma 500admin Guide
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Polycom Cma 500admin Guide
 - Fact-Checking eBook Content of Polycom Cma 500admin Guide
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements

• Interactive and Gamified eBooks

Polycom Cma 500admin Guide Introduction

In the digital age, access to information has become easier than ever before. The ability to download Polycom Cma 500admin Guide has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Polycom Cma 500admin Guide has opened up a world of possibilities. Downloading Polycom Cma 500admin Guide provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Polycom Cma 500admin Guide has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Polycom Cma 500admin Guide. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Polycom Cma 500admin Guide. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Polycom Cma 500admin Guide, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Polycom Cma 500admin Guide has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of

continuous learning and intellectual growth.

FAQs About Polycom Cma 500admin Guide Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Polycom Cma 500admin Guide is one of the best book in our library for free trial. We provide copy of Polycom Cma 500admin Guide in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Polycom Cma 500admin Guide. Where to download Polycom Cma 500admin Guide online for free? Are you looking for Polycom Cma 500admin Guide PDF? This is definitely going to save you time and cash in something you should think about.

Find Polycom Cma 500admin Guide:

sample compare and contrast essay 6th grade

saint bernard training secrets obedient dog net sample essay about a person

salton rice cooker model ra3a manual

sam s5570 hard reset
sample attorney report done in access
sample employee recognition letter to manager

salope devant ses potes saga rd 60 guitars owners manual

sample 6th grade research paper outline

 $sample\ essay\ for\ university\ admission$ $\underline{salvation\ army\ 20annual\ report}$

sample art college essays

sample 4th grade math test ny 2012 same delfino 35 manual

Polycom Cma 500admin Guide:

ch 9 holt california geometry test answers - Aug 03 2022

web geometry test answers 2019 eu2016futureeurope nlonline library ch 9 holt geometry test answers computer engineering jackson electrodynamics complete solution

holt geometry ch 9 quiz answers app webshots com - Mar 30 2022

web may 4th 2018 read and download ch 9 holt california geometry test answers free ebooks in pdf format food preparation crossword financial

ch 9 holt california geometry test answers pdf free download - Jul 02 2022

web not roughly the costs its practically what you compulsion currently this ch 9 holt california geometry test answers as one of the most dynamic sellers here will utterly

holt geometry student edition 1st edition - Aug 15 2023

web our resource for holt california geometry homework and practice workbook includes answers to chapter exercises as well as detailed information to walk you through the

ch 9 holt california geometry test answers pdf nichols book - Oct 25 2021

web nov 25 2013 sınıf geometri testleri ve problemleri Çöz 9 sınıf geometri testleri 9 sınıf geometri problemleri 9 sınıf geometri soruları 9 sınıf geometri testi çöz 9 sınıf

ch 9 holt california geometry test answers pdf full pdf - Dec 07 2022

web ch 9 holt california geometry test answers pdf getting the books ch 9 holt california geometry test answers pdf now is not type of inspiring means you could not single

free solutions for geometry california edition quizlet - Mar 10 2023

web chapter 9 test form b answers holt mcdougal geometry answer key extending perimeter circumference and area chapter test form a free response $1\ 254\ cm2\ 2$

ch 9 holt california geometry test answers pdf - Jun 01 2022

web ch 9 holt california geometry test answers pdf introduction ch 9 holt california geometry test answers pdf download only

ch 9 holt geometry test answers pdf app oaklandlibrary - Feb 09 2023

web holt mcdougal larson geometry 2006 05 08 essentials of geometry reasoning and proof parallel and perpendicular lines congruent triangles relationships within

ch 9 holt california geometry test answers pdf - Nov 06 2022

web it is your very own become old to put on reviewing habit accompanied by guides you could enjoy now is ch 9 holt california geometry test answers pdf below geometry

holt california geometry homework and practice workbook - Jul 14 2023

web find step by step solutions and answers to holt california geometry homework and practice workbook 9780030990229 as well as thousands of textbooks so you can

ch 9 holt california geometry test answers pdf nichols book - Oct 05 2022

web copyright by holt rinehart and winston 181 holt algebra 2 all rights reserved name date class 9 chapter cumulative test select the best answer 1 simplify $4\ \ddot{\text{I}}$

9 sınıf geometri testleri Çöz - Sep 23 2021

ch 9 holt geometry test answers virtualevents straumann com - Feb 26 2022

web ch 9 holt california geometry test answers author online kptm edu my 2023 07 29 23 33 38 subject ch 9 holt california geometry test answers keywords

ch 9 holt california geometry test answers holt mcdougal pdf - Jan 08 2023

web discover the statement ch 9 holt california geometry test answers pdf that you are looking for it will categorically squander the time however below like you visit this web

9 sınıf geometri testi çöz test Çöz en güncel testleri Çöz - Dec 27 2021

web competently as sharpness of this ch 9 holt california geometry test answers can be taken as without difficulty as picked to act concepts of biology samantha fowler 2018

ch 9 holt california geometry test answers - Jan 28 2022

web dik dairesel koni küre testi 9 sınıf dik dairesel koni küre testleri 2 Çöz 4 yorum görüş bildirmek istermisiniz kim yayınladı testleri 25 kasım 2013 at 10 29

california geometry concepts skills and problem solving - May 12 2023

web holt geometry chapter 9 test review study guide by kara w2 includes 10 questions covering vocabulary terms and more quizlet flashcards activities and games help you

holt california geometry homework and practice workbook - Jun 13 2023

web find step by step solutions and answers to california geometry concepts skills and problem solving 9780030923456 as well as thousands of textbooks so you can move

holt geometry chapter 9 test review flashcards quizlet - Apr 11 2023

web find step by step solutions and answers to geometry california edition 9780618811946 as well as thousands of textbooks so you can move forward with confidence

ch 9 holt california geometry test answers bruce reinhart copy - Nov 25 2021

web it is your extremely own era to piece of legislation reviewing habit accompanied by guides you could enjoy now is ch 9 holt california geometry test answers pdf below

chapter cumulative test 9 yola - Sep 04 2022

web holt mcdougal larson geometry jul 16 2022 essentials of geometry reasoning and proof parallel and perpendicular lines congruent triangles relationships within

ch 9 holt california geometry test answers pdf download only - Apr 30 2022

web oct 13 2022 ch 9 quiz answers holt geometry ch 9 quiz answers geometry grade 10 geometry student edition holt geometry stargirl movie tie in edition geometry

ign corte monte cinto pnr de corse carte topograp pdf pdf - May 31 2022

web introduction ign corte monte cinto pnr de corse carte topograp pdf pdf 2000 most common italian words in context get fluent increase your italian vocabulary with 2000 italian phrases lingo mastery 2019 01 17 have you been trying to learn italian and simply can't find the way to expand your vocabulary

ign corte monte cinto pnr de corse carte topographique - Oct 16 2023

web ign corte monte cinto pur de corse carte topographique commandez votre équipement ign sur hardloop livraison retour gratuits conseils d'expert

ign corte monte cinto pnr de corse carte topograp ordnance - Aug 14 2023

web enjoy now is ign corte monte cinto pnr de corse carte topograp below walks in corsica 1990 the outstanding series of walking guides based on trails created and marked by the french federation of hiking clubs each guide details several hundred miles of footpaths and each route is marked on ign color topo maps 1 50 000

ign corte monte cinto pnr de corse carte topograp download - Feb 08 2023

web 4 ign corte monte cinto pnr de corse carte topograp 2020 12 31 walkers hostels b bs and hotels camping is also an option the guide presents each of the waymarked trails in daily stages averaging around 12 13km per day with route description mapping and notes on accommodation options

corse tableau d assemblage ign top 25 et sÉrie bleue - May 11 2023

web vous trouverez ici toutes les cartes de randonnées top 25 et sÉrie bleue de l ign qui couvrent la corse carte top 25 n 4149 ot calvi cirque de bonifatu pnr de corse ign carte top 25 n 4150 ot porto calanche de piana pnr de corse ign ign corte monte cinto pnr de corse carte topograp pdf - Aug 02 2022

web 2 ign corte monte cinto pnr de corse carte topograp 2021 12 30 scholarship this three volume commentary concentrates primarily on the meaning of the text of isaiah rather than on specific textual problems volume 1 covers chapters 1 18 volume 2 looks at chapters 19 39 volume 3

hike trek maps nostromo - Nov 05 2022

web return or exchange authorized and refunded up to 14 days the item must be returned in its original condition with the invoice and packaging

corte monte cinto pnr de corse gps ign 4250ot goodreads - Jan 07 2023

web apr 25 2013 corte monte cinto pnr de corse gps the ign is the institut national de l'information géographique et forestière of france it was created on june 26th 1940 as institut géographique national name used until the year 2012 when it was replaced with the one mentioned above

nus igp 2022 what s the cut off point schoolbell sg - Sep 03 2022

web here are some of the national university of singapore s nus indicative grade profiles igps in 2022 and over the past few years the uni igp in each year covers the 10th percentile of the grades of applicants who gained admission to nus undergraduate courses the year before the grades are in terms of either singapore cambridge gce ign corte monte cinto pnr de corse carte topograp copy - Jul 01 2022

web 4 ign corte monte cinto pur de corse carte topograp 2023 10 20 de sant antonino petit village balagne explorer la ville haute de bonifacio et se balader le long de la falaise jusqu au phare de pertusato à partager en famille entre amis ou en solo près de 20 cartes et plans avec toutes les bonnes adresses du routard positionnées

ign corte monte cinto pnr de corse carte topographique by ign - Dec 06 2022

web corte monte cinto pnr de corse 2013 ign 4250ot 200 carte ign de randonne au format 25 000 du dpartement ign 4250 ot corte monte cinto pnr de corse corsica 4250ot corte monte cinto carte de randonne ign corsica traildino startpagina corte monte cinto pnr de corse top 25r hiking map at 1 carte ign corte monte

corte monte cinto pnr de corse ign 4250ot stanfords - Jul 13 2023

web corte monte cinto pnr de corse ign 4250ot corte monte cinto pnr de corse ign 4250ot 13 99 in stock online monte renoso bastelica pnr de corse ign waterproof 4252otr 19 99 corsica north didier richard 08 13 99 corsica south didier richard 09 13 99 ajaccio iles sanguinaires ign 4153ot

ign corte monte cinto pnr de corse carte topograp pdf - Apr 10 2023

web sep 12 2023 ign corte monte cinto pnr de corse carte topograp 2 9 downloaded from uniport edu ng on september 12 2023 by guest interactivité additionnelle nouvelle mise à jour du routard le guide de voyage n 1 en france la corse a tout pour plaire avec ses paysages à couper le souffle ses plages de rêve aux fières montagnes sans

ign corte monte cinto pnr de corse carte topograp 2022 - Oct 04 2022

web ign corte monte cinto pnr de corse carte topograp 1 ign corte monte cinto pnr de corse carte topograp les noms de lieu de la france leur origine leur signification leurs transformations résumé des conférences de toponomastique générale faites à l'École pratique des hautes études section des sciences historiques et philologiques

ign corte monte cinto pnr de corse carte topograp ftp dartgo - Jun 12 2023

web 2 ign corte monte cinto pnr de corse carte topograp 2021 05 11 on the body of the work as a reproduction of a historical artifact this work may contain missing or blurred pages poor pictures errant marks etc scho marie claire s workshop hachette tourisme tout pour réussir les épreuves de

ign corte monte cinto pnr de corse carte topograp copy - Feb 25 2022

web guide du routard corse 2022 23 walks in corsica ign corte monte cinto pnr de corse carte topograp downloaded from ri2lly3mhwygy0n do 1 local dashboard emma ms by guest shamar ashtyn a new pocket dictionary of the italian and english languages dalcassian publishing company have you been trying to learn italian and simply can t

carte top 25 n 4250 ot corte monte cinto pnr de corse ign - Sep 15 2023

web carte topographique top 25 éditée par ign cette carte de randonnée propose des courbes de niveau espacées de 10 mètres et une légende détaillée végétation rochers voies de communication jusqu au moindre sentier constructions jusqu au hangar bois arbre isolé rivière source etc

ign corte monte cinto pnr de corse carte topograp pdf 2023 - Mar 29 2022

web ign corte monte cinto pnr de corse carte topograp pdf pages 4 19 ign corte monte cinto pnr de corse carte topograp pdf upload jason t robertson 4 19 downloaded from isip ovcrd upd edu ph on september 18 2023 by jason t robertson léman at geneva to the mediterranean at nice a route of 674km 420 miles it can be trekked in a

ign corte monte cinto pnr de corse carte topographique by ign - Mar 09 2023

web carte de randonnée ign autour de corte et du monte cinto parc national de corse carte topographique d une très grande précision contenant les détails du terrain

ign corte monte cinto pnr de corse carte topograp copy ftp - Apr 29 2022

web currently this ign corte monte cinto pnr de corse carte topograp as one of the most full of zip sellers here will totally be accompanied by the best options to review ign corte monte cinto pnr de corse carte topograp downloaded from ftp themontcalmclub com by guest hester pitts assyrian dictionary springer science business media

the courtier voltaire a very short introduction oxford academic - Aug 03 2022

web voltaire a very short introduction very short introductions oxford 2017 online edn oxford academic 23 feb 2017 doi org 10 1093 actrade 9780199688357 003 0006 accessed 21 sept 2022

voltaire a very short introduction researchgate - Jan 08 2023

web mar 1 2017 voltaire a very short introduction explores voltaire s remarkable career his most important works and demonstrates how his thinking is pivotal to our notion and understanding of the $\frac{1}{2}$

voltaire a very short introduction by nicholas cronk goodreads - Jun 01 2022

web feb 11 2015 54 ratings6 reviews voltaire 1694 1778 best remembered as the author of candide is one of the central actors arguably the defining personality of the european enlightenment in this very short introduction nicholas cronk explores voltaire s remarkable career and demonstrates how his thinking is pivotal to our notion and voltaire a very short introduction oxford academic - Aug 15 2023

web feb 23 2017 voltaire a very short introduction explores voltaire s remarkable career his most important works and demonstrates how his thinking is pivotal to our notion and understanding of the enlightenment it examines the nature of voltaire s literary celebrity demonstrating the extent to which his work was reactive and practical and therefore

voltaire a very short introduction oxford academic - Feb 09 2023

web voltaire a very short introduction very short introductions oxford 2017 online edn oxford academic 23 feb 2017 doi org accessed 30 nov 2022

voltaire a very short introduction nicholas cronk google books - Jul 02 2022

web in this very short introduction nicholas cronk explores voltaire s remarkable career and demonstrates how his thinking is pivotal to our notion and understanding of the enlightenment

voltaire simple english wikipedia the free encyclopedia - Dec 27 2021

web voltaire françois marie arouet also known as voltaire 1 was a french philosopher he was born in 1694 and grew up in poitou he died in paris in 1778 voltaire did not like france at the time because he thought that it was old fashioned he also did not like the church and thought that people should be allowed to believe what they want

voltaire a very short introduction nicholas cronk oxford - Jun 13 2023

web apr 1 2017 very short introductions explores voltaire s life career and most important works looks at the factors that influenced his work how theatre played a part in understanding his work as a writer and his impact as an empirical philosopher

voltaire wikipedia - Jan 28 2022

web françois marie arouet french fʁα swa maʁi aʁwɛ 21 november 1694 30 may 1778 was a french enlightenment writer

philosopher and historian known by his nom de plume m de voltaire v p l ' t ser v oo l also us v p: l french volts: he was famous for his wit in addition to his criticism of christianity especially of the roman catholic church and voltaire a very short introduction oxford university press - Nov 06 2022

web oct 6 2019 voltaire 1694 1778 best remembered as the author of candide is one of the central actors arguably the defining personality of the european enlightenment in this very short introduction nicholas cronk explores voltaire s remarkable career and demonstrates how his thinking is pivotal to our notion and understanding of the

voltaire a very short introduction oxford academic - Apr 11 2023

web cronk nicholas the epicurean poet voltaire a very short introduction very short introductions oxford 2017 online edn oxford academic 23 feb 2017 doi org 10 1093 actrade 9780199688357 003 0003 accessed 15 july 2023 voltaire a very short introduction very short int uniport edu - Sep 04 2022

web apr 6 2023 voltaire a very short introduction very short intr pdf pdf webas this voltaire a very short introduction very short intr pdf it ends occurring swine one of the favored book voltaire a very short introduction very short intr pdf collections that we have this is why you remain in the best website to see the unbelievable ebook to have voltaire a very short introduction oxford academic - May 12 2023

web very short introductions one of voltaire's lesser known claims to fame is that he was a fellow of the royal society he was elected in 1743 three years before his elevation to the académie française and this public recognition was important to him voltaire a very short introduction in searchworks catalog - Mar 30 2022

web select search scope currently catalog all catalog articles website more in one search catalog books media more in the stanford libraries collections articles journal articles other e resources

voltaire a very short introduction very short introductions - Apr 30 2022

web in this very short introduction nicholas cronk explores voltaire s remarkable career and demonstrates how his thinking is pivotal to our notion and understanding of the enlightenment

voltaire biography works philosophy ideas beliefs facts - Dec 07 2022

web aug 17 2023 voltaire pseudonym of françois marie arouet born november 21 1694 paris france died may 30 1778 paris one of the greatest of all french writers although only a few of his works are still read he continues to be held in worldwide repute as a courageous crusader against tyranny bigotry and cruelty

voltaire a very short introduction oxford academic - Jul 14 2023

web the introduction outlines the aims of this vsi it is an introduction to the making of voltaire an enlightenment celebrity it is also an examination of the way voltaire spent his whole life trying out different roles for size perfecting various authorial postures reinventing different ways to speak to and engage his audiences

a very short introduction voltaire history by nicholas cronk - Feb 26 2022

web this very short introduction examines voltaire s 1694 1778 remarkable life and career exploring his most important writings the impact his work had on our understanding of the european enlightenm

voltaire a very short introduction oxford academic - Mar 10 2023

web voltaire a very short introduction very short introductions oxford 2017 online edn oxford academic 23 feb 2017 doi org 10 1093 actrade 9780199688357 002 0008 accessed 5 oct 2022

index voltaire a very short introduction oxford academic - Oct 05 2022

web voltaire a very short introduction very short introductions oxford 2017 online edn oxford academic 23 feb 2017 doi org accessed 29 dec 2022