



CERN and Oracle expand their R & D partnership

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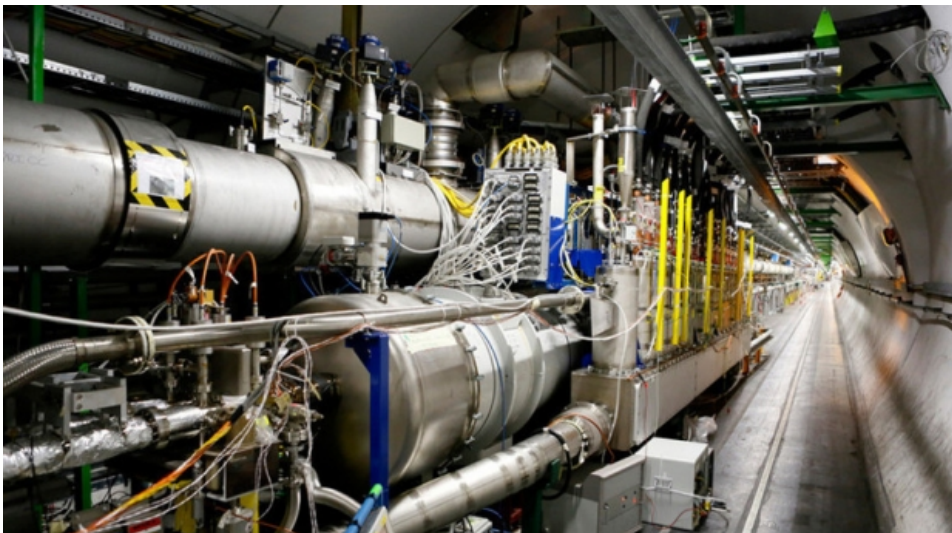
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The European Organization for Nuclear Research (CERN) is expanding its partnership with Oracle for another three years. This partnership is carried out through a research and development program set up by the laboratory, called CERN openlab, which provides a unique research framework in which scientists and top IT companies can work together. One of the goals of the partnership with Oracle is to develop a high performance cloud infrastructure that can store and analyze large

amounts of control data, such as those generated by giant research infrastructures used in the laboratory to probe the origins of the universe. Oracle can use the program's observations to provide its customers with extremely powerful and time-proven cloud technologies.

Since 2001, CERN openlab provides a unique framework for cooperation between science and industry. In this program, CERN cooperates with leading IT companies to develop together performance technologies for elementary physics research. Oracle has been a partner in the program since 2003, and another three-year project cycle began in 2018. Being one of the largest members, the cloud provider is currently involved in four CERN openlab projects. In addition, every year, 40 students from all over the world have the opportunity to work on ongoing projects during a nine-week program at a summer school.



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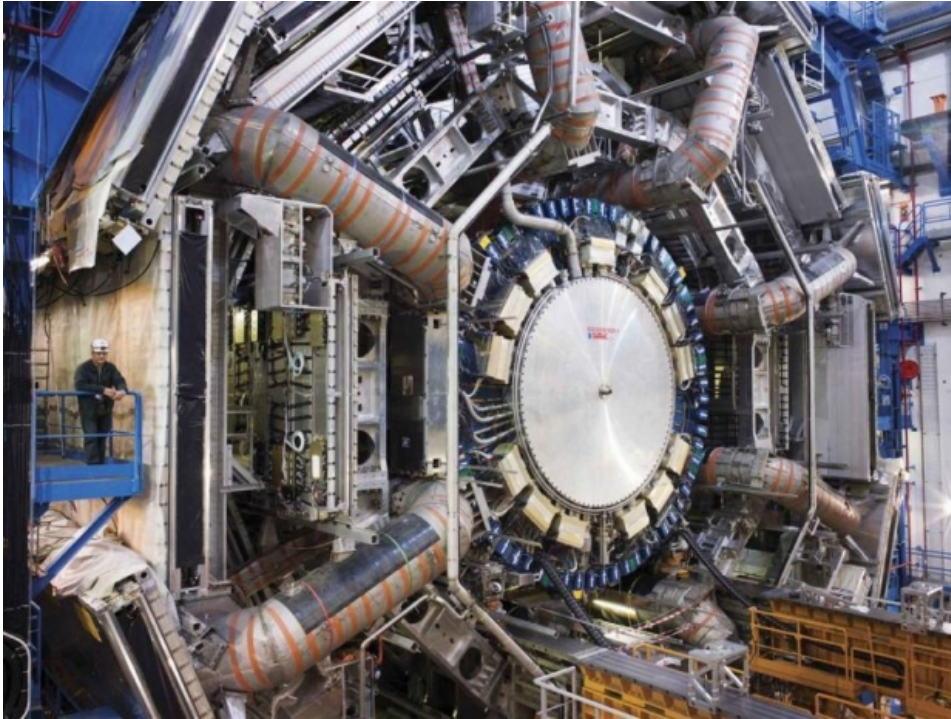
“CERN openlab este un proiect în care toți cei implicați câștigă”, precizează **Eric Grancher**, șeful Grupului de Servicii de Baze de Date la CERN. “Programul le oferă colaboratorilor noștri o modalitate de a primi un feedback valoros / important / semnificativ / relevant, testându-și soluțiile într-unul din cele mai complexe și mai provocatoare medii de tehnologie. Iar noi, la CERN, putem să evaluăm potențialul pe care îl au noile tehnologii pentru aplicațiile viitoare, încă din fazele timpurii de dezvoltare ale acestora. În plus, CERN openlab oferă un mediu științific neutru, în care companiile pot începe să dialogheze.”

“Suntem încântați să prelungim parteneriatul cu Oracle pentru încă trei ani”, precizează **Eva Dafonte Perez**, adjunctă la Grupul de Servicii de Baze de Date la CERN. “Pe lângă parteneriatul nostru de 15 ani prin CERN openlab, noi lucrăm cu Oracle încă din 1982. Vom continua să avem nevoie și în viitor de soluții de înaltă performanță și, mai ales, care pot fi scalate rapid, pentru a stoca și a analiza cantitatea din ce în ce mai mare de date pe care o înregistrează instrumentele noastre. Oracle oferă flexibilitate, pentru că soluțiile sale sunt disponibile atât la fața locului, cât și în cloud.”

Cu sediul la Geneva, în Elveția, CERN este dedicat cercetării elementare în fizică. CERN folosește Large Hadron Collider (LHC), care este cel mai mare acceleror de particule din lume, pentru a investiga structura fundamentală a universului. În LHC, particulele subatomice sunt accelerate și sunt puse în coliziune, simulând condițiile existente cu numai o fracțiune de secundă după Big Bang. Experimentele LHC produc în prezent aproximativ 50 petabiți de date pe an - un volum care corespunde cu aproximativ 2.000 de ani de conținut video HD.

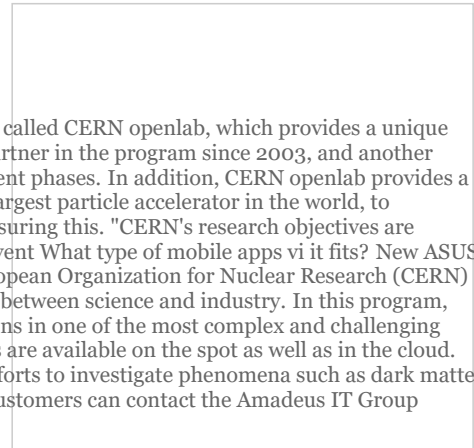
Însă modul în care înțelegem noi fizica la ora actuală explică doar materia vizibilă, care reprezintă aproximativ 5% din energia totală a Universului. Ca urmare, LHC va fi făcut și mai puternic și va genera și mai multe coliziuni de particule, impulsționând eforturile de a investiga fenomene precum materia întunecată și energia întunecată. CERN are nevoie și de o infrastructură IT la fel de puternică; cooperarea laboratorului cu Oracle joacă un rol esențial în a asigura acest lucru.

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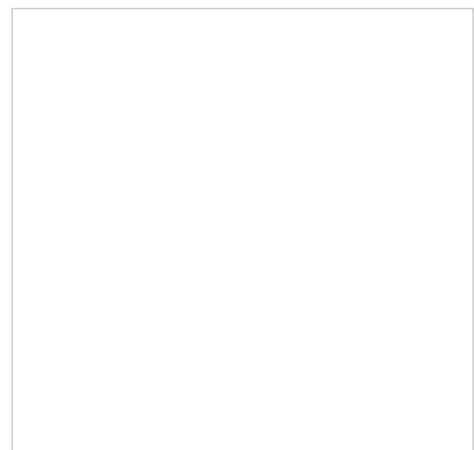
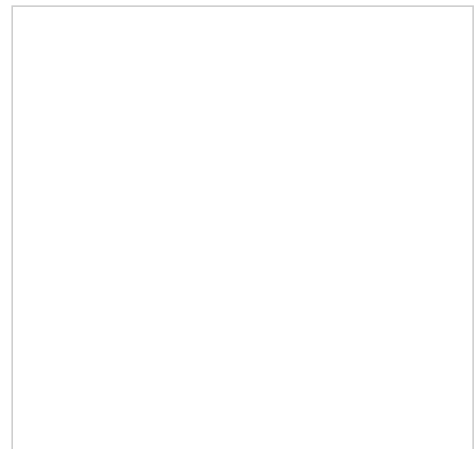


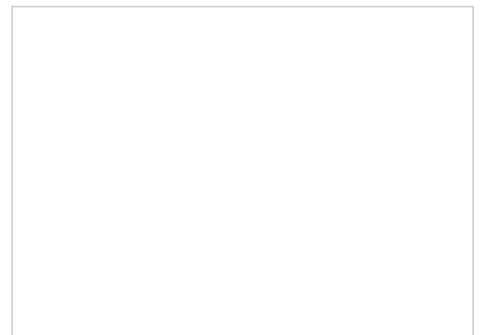
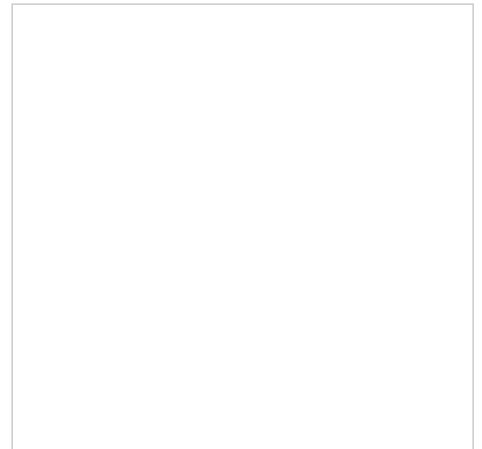
"CERN's research objectives are extremely exciting, with lab-developed technologies having a significant impact on our daily lives. For example, the technologies developed at CERN have already helped improve the treatment of certain types of cancer. So we are very excited to renew partnership at CERN openlab and collaborate to develop more powerful technologies that will advance both in science and industry," said David Ebert, Director, Solutions for Government, Education, Services Industry Healthcare EMEA Oracle.

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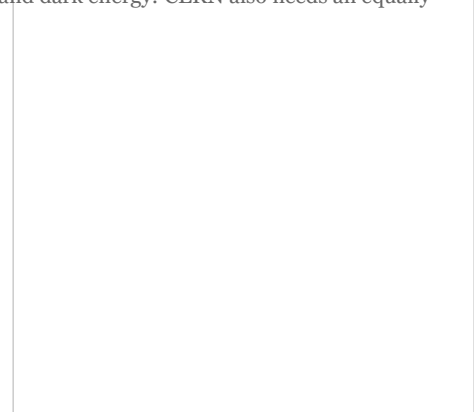
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eds an equally strong IT infrastructure; laboratory collaboration with Oracle plays an essential role in ensuring this. "CERN's research objectives are
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Oracle expand their partnership in research and development o o Print / Post date: 22.08.2018 The European Organization for Nuclear Research (CERN)
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CERN openlab and collaborate to develop more powerful technologies that will advance both in science and industry," said David Ebert, Director, Solutions in contact the Amadeus IT Group customer service department directly and Weco Travel signs a strategic regional agreement for another 5 years IFA 2012 - password HOME BUSINESS TELECOM MAGAZINE GALA CONFERENCES TELECOM TV GADGETERIA SUBSCRIPTIONS ABOUT US CONTACT • 5G • th Oracle for another three years. This partnership is conducted through a research and development program set up by the laboratory, called CERN uctures used in the laboratory to probe the origins of the universe. Oracle can use the program's observations to provide its customers with extremely ie program since 2003, and another three-year project cycle started in 2018. Being one of the largest members, the cloud provider is currently involved in gram offers our collaborators a way to receive valuable / important / significant / relevant feedback, testing their solutions in one of the most complex and le for another three years," said Eva Dafonte Perez, deputy at CERN's Database Services Group. "In addition to our 15-year partnership with CERN openlab, id. "Based in Geneva, Switzerland, CERN is dedicated to elementary research in physics. CERN uses the Large Hadron Collider (LHC), which is the largest s to about 2,000 years of HD video content. But the way we now understand physics explains only visible matter, which accounts for about 5% of the total UN's research objectives are extremely exciting, with lab-developed technologies having a significant impact on our daily lives." For example, the IEA Oracle. Signing in to comment on the latest developments in the global marketplace, the company's ... 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We will continue to need high-performance solutions in the future, and in particular, (C), which is the largest particle accelerator in the world, to investigate the fundamental structure of the universe. In the LHC, subatomic particles are its for about 5% of the total energy of the universe. As a result, the LHC will be even stronger and will generate more particle collisions, stimulating efforts s. For example, the technologies developed at CERN have already helped improve the treatment of certain types of cancer. So we are very excited to renew mers can contact the Amadeus IT Group customer service department directly and Weco Travel signs a strategic regional agreement for another 5 years s expanding its partnership with Oracle for another three years. Go to main content. 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CERN uses the Large petbits per year - a volume that corresponds to about 2,000 years of HD video content. But the way we now understand physics explains only visible Oracle plays an essential role in ensuring this. "CERN's research objectives are extremely exciting, with lab-developed technologies having a significant y • Strategies and policies • ABCdar European • MWC 2015 • MWC 2016 • MWC 2017 • MWC 2018 • Operators • Providers • eBanking • Digital Library • ership is carried out through a laboratory research and development program called CERN openlab, which provides a unique research framework, where se. Oracle can use the program's observations to provide its customers with extremely powerful and time-proven cloud technologies. Since 2001, CERN id in 2018. Being one of the largest members, cloud provider is currently involved in four CERN openlab projects. 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