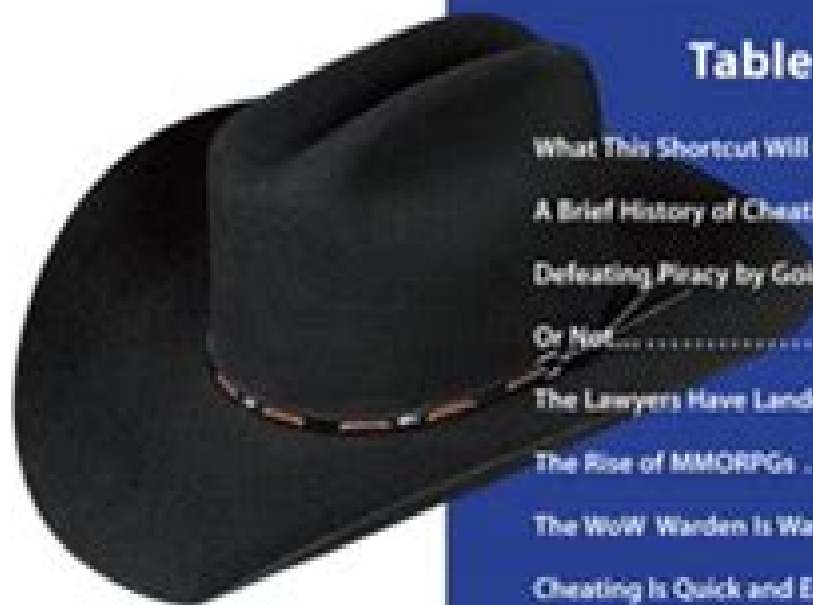




Cheating Online Games

Gary McGraw and Greg Hoglund

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Cheating Online Games Digital Short Cut Gary McGraw

Greg Hoglund, Gary McGraw



Cheating Online Games Digital Short Cut Gary McGraw:

Cheating Online Games (Digital Short Cut) Gary R. McGraw, Greg Hoglund, 2006-07-28 This is the eBook version of the printed book This digital Short Cut delivered in Adobe PDF format for quick and easy access is an introduction to issues with cheating and anti cheating countermeasures in the online gaming industry At present the online game World of Warcraft has approximately six million subscribers worldwide At any given time 500 000 people are logged in and playing And while many of these players log countless hours engaged in the repetitive tasks required to accumulate points and acquire virtual money and tools an activity called grinding others would rather find a way to speed game play along So they cheat Some write macros to grind for them while they are doing better things Others find websites where they can purchase the ill gotten gains of those macro writers Either way big money is on the line when players cheat A high rate of cheating upsets the online gaming economy and disrupts game play for everyone If disgruntled players leave the game then World of Warcraft s creator Blizzard Entertainment loses real subscribers and real money With the stakes so high it s not surprising that companies like Blizzard Entertainment take active steps to prevent cheating But you may be surprised and upset to learn exactly what those measures are and how they might affect your PC This digital Short Cut will discuss the methods gaming companies use to prevent cheating You will learn how a program designed for World of Warcraft keeps watch of your game play by scanning your computer for open processes and collecting information about you We ll also show you how to run a program called the Governor to keep watch of the watchers and know exactly what Blizzard Entertainment is doing on your computer After reading this Short Cut you ll also have a much better understanding of the ethical and technical issues surrounding cheating and be able to make informed decisions about how much you want to grind and how much you want gaming companies to know about you Cheating Online Games contains information that will appear in Greg Hoglund and Gary McGraw s forthcoming book *Exploiting Online Games* ISBN 0132271915 available summer fall 2007 This Short Cut is fully self contained and is an excellent place to start learning about technical issues in online gaming Cheating Online Games Digital Short Cut What This Short Cut Will Cover A Brief History of Cheating Defeating Piracy by Going Online Or Not The Lawyers Have Landed Bearing EULAs The Rise of MMORPGs The WoW Warden Is Watching Cheating Is Quick and Easy Grinding Is Boring and Dull Farming Makes Things Easy Virtual World Economics Farming Hurts the Virtual Economy Games as Reality Cracking Down on Farming Online Game Real World Cheating Defeating Cheaters and Crossing the Line The Governor Watches the Watcher

Exploiting Online Games Greg Hoglund, Gary McGraw, 2008 Imagine trying to play defense in football without ever studying offense You would not know when a run was coming how to defend pass patterns nor when to blitz In computer systems as in football a defender must be able to think like an attacker I say it in my class every semester you don t want to be the last person to attack your own system you should be the first The world is quickly going online While I caution against online voting it is clear that online gaming is taking the Internet by storm In our new age where virtual

items carry real dollar value and fortunes are won and lost over items that do not really exist the new threats to the intrepid gamer are all too real To protect against these hazards you must understand them and this groundbreaking book is the only comprehensive source of information on how to exploit computer games Every White Hat should read it It s their only hope of staying only one step behind the bad guys Aviel D Rubin Ph D Professor Computer Science Technical Director Information Security Institute Johns Hopkins University Everyone s talking about virtual worlds But no one s talking about virtual world security Greg Hoglund and Gary McGraw are the perfect pair to show just how vulnerable these online games can be Cade Metz Senior Editor PC Magazine If we re going to improve our security practices frank discussions like the ones in this book are the only way forward Or as the authors of this book might say when you re facing off against Heinous Demons of Insecurity you need experienced companions not to mention a Vorpal Sword of Security Knowledge Edward W Felten Ph D Professor of Computer Science and Public Affairs Director Center for Information Technology Policy Princeton University Historically games have been used by warfighters to develop new capabilities and to hone existing skills especially in the Air Force The authors turn this simple concept on itself making games themselves the subject and target of the hacking game and along the way creating a masterly publication that is as meaningful to the gamer as it is to the serious security system professional Massively distributed systems will define the software field of play for at least the next quarter century Understanding how they work is important but understanding how they can be manipulated is essential for the security professional This book provides the cornerstone for that knowledge Daniel McGarvey Chief Information Protection Directorate United States Air Force Like a lot of kids Gary and I came to computing and later to computer security through games At first we were fascinated with playing games on our Apple s but then became bored with the few games we could afford We tried copying each other s games but ran up against copy protection schemes So we set out to understand those schemes and how they could be defeated Pretty quickly we realized that it was a lot more fun to disassemble and work around the protections in a game than it was to play it With the thriving economies of today s online games people not only have the classic hacker s motivation to understand and bypass the security of games but also the criminal motivation of cold hard cash That s a combination that s hard to stop The first step taken by this book is revealing the techniques that are being used today Greg Morrisett Ph D Allen B Cutting Professor of Computer Science School of Engineering and Applied Sciences Harvard University If you re playing online games today and you don t understand security you re at a real disadvantage If you re designing the massive distributed systems of tomorrow and you don t learn from games you re just plain sunk Brian Chess Ph D Founder Chief Scientist Fortify Software Coauthor of Secure Programming with Static Analysis This book offers up a fascinating tour of the battle for software security on a whole new front attacking an online game Newcomers will find it incredibly eye opening and even veterans of the field will enjoy some of the same old programming mistakes given brilliant new light in a way that only massively multiplayer supermega blow em up games can deliver w00t Pravir Chandra Principal

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example on antilogarithm 1 find antilog 2 5463 solution clearly we are to find the number whose logarithm is 2 5463 for this consider the mantissa 5463